

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A292.9
S03W2
Csp. 2



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State
Department of Natural Resources



January 1, 1981

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW SURVEYORS AT MT. ST. HELENS, WASHINGTON.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (W. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES:

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

NORMAN A. BERG

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||
Released by

GEORGE D. McMILLAN

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPT. OF NATURAL RESOURCES

DEE C. HANSEN

State Engineer
Division of Water Rights

DANIEL F. LAWRENCE

Director
Division of Water Resources
|||||

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

DAVID A. JOHNCOX, Hydrologic Technician

and

JOAN E. OLSEN, Clerk

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4420 FEDERAL BUILDING
SALT LAKE CITY, UTAH 84138

WATER SUPPLY OUTLOOK

as of
January 1, 1981

* * * * *
* Utah's 1981 water supply outlook ranges from below *
* average to near average. Snow cover varies from *
* 22% to 68% of the January 1 average on drier than *
* average soils. Reservoir storage is 122% of the 15 *
* year average and 126% of last year at this time. *
* Streamflow forecasts range from 47% to 159% of the *
* April-July average. *
* *
* * * * *

SNOW COVER

Snow surveys taken the last week of December were well below average again this year.

Basin average snow water content ranges from 22% of the January 1 average on the Virgin River to 68% on the Uintah-Whiterocks Rivers. San Rafael basin is 23% of average and the Upper Sevier 29%. Lower Sevier is 97% and the Beaver River 55%.

All northern Utah basins are 40 to 50% of the January 1 average.

Usually by January 1, 42% of the average April 1 maximum is on the ground. This year we have only 17%. Last year we had 27% on January 1 but gained rapidly after January 10 and were 154% statewide by April 1.

PRECIPITATION

Fall precipitation is generally 40 to 80% of the October-December average. Very little rain fell prior to October 11 when the first snow fell at the medium and higher elevations of the state. Storms have been spotty since that time leaving most areas well below average.

SOIL MOISTURE

Watershed soils follow the fall precipitation pattern and are generally much drier than average.

RESERVOIR STORAGE

Storage in 25 of Utah's key irrigation reservoirs is 122% of average and 26% better than last year at this time. Several reservoirs are already concerned with releasing water to make room for spring runoff. Storage water is generally very good this year.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period range from 47% of average for the Strawberry and Duchesne to 159% for the Sevier at Piute Dam. Carry-over flow in southern Utah is holding most forecasts higher than present snow cover indicates. The Sevier at Hatch is 85%, Circleville 125%, Kingston 146%, and East Fork 79%. Beaver River is forecast 100% at Beaver, 102% for North Creeks, and 106% for the Inflow to Minersville Reservoir. Gunnison Reservoir has been releasing water down the San Pitch and the forecast for the Sevier at Gunnison is 146% of average. Sevenmile Creek below Fish Lake is forecast 70% of average, Muddy River 48%, Ferron Creek 65%, Cottonwood Creek 64%, Huntington Creek 85%, Price River 69%, and Scofield Inflow 75% of average.

Uintah Basin streams range from 47% on Strawberry to 88% on Whiterocks. Ashley Creek is 84%, Lakefork 76%, Currant Creek 52% and Strawberry Inflow 62%.

Utah Lake Inflow is forecast 76% of average and releasing water to hold the level down prior to spring runoff. Provo River is forecast 72% at Hailstone, and 80% at Deer Creek Dam. Salt Lake Front streams are forecast from 80 to 90% of average.

The Weber River is forecast 86% at Oakley, 78% at Wanship, 77% at Coalville and 68% at Gateway. Chalk Creek is forecast 67%, Lost Creek 62%, East Canyon 52%, and Hardscrabble 77%.

The South Fork Ogden is forecast 68% and Pineview Inflow 57%.

Bear River forecasts range from 83% at State Line to 50% at Randolph and 75% at Harer, Idaho. Logan River is forecast 73%, Cub River 72%, Blacksmith Fork 67%, and Little Bear 66%. Water users with storage water are expected to have an average or better water supply this season. Water users on natural flow are expected to have reduced supplies unless above average snowfall occurs in the next 2 or 3 months.

The SNOTEL system is now fully operational with 63 automated data sites reporting twice daily readings. Graphs showing the early morning readings will be published in this monthly bulletin. A SNOTEL UPDATE will be mailed every Friday to those requesting information.

January 1, 1981

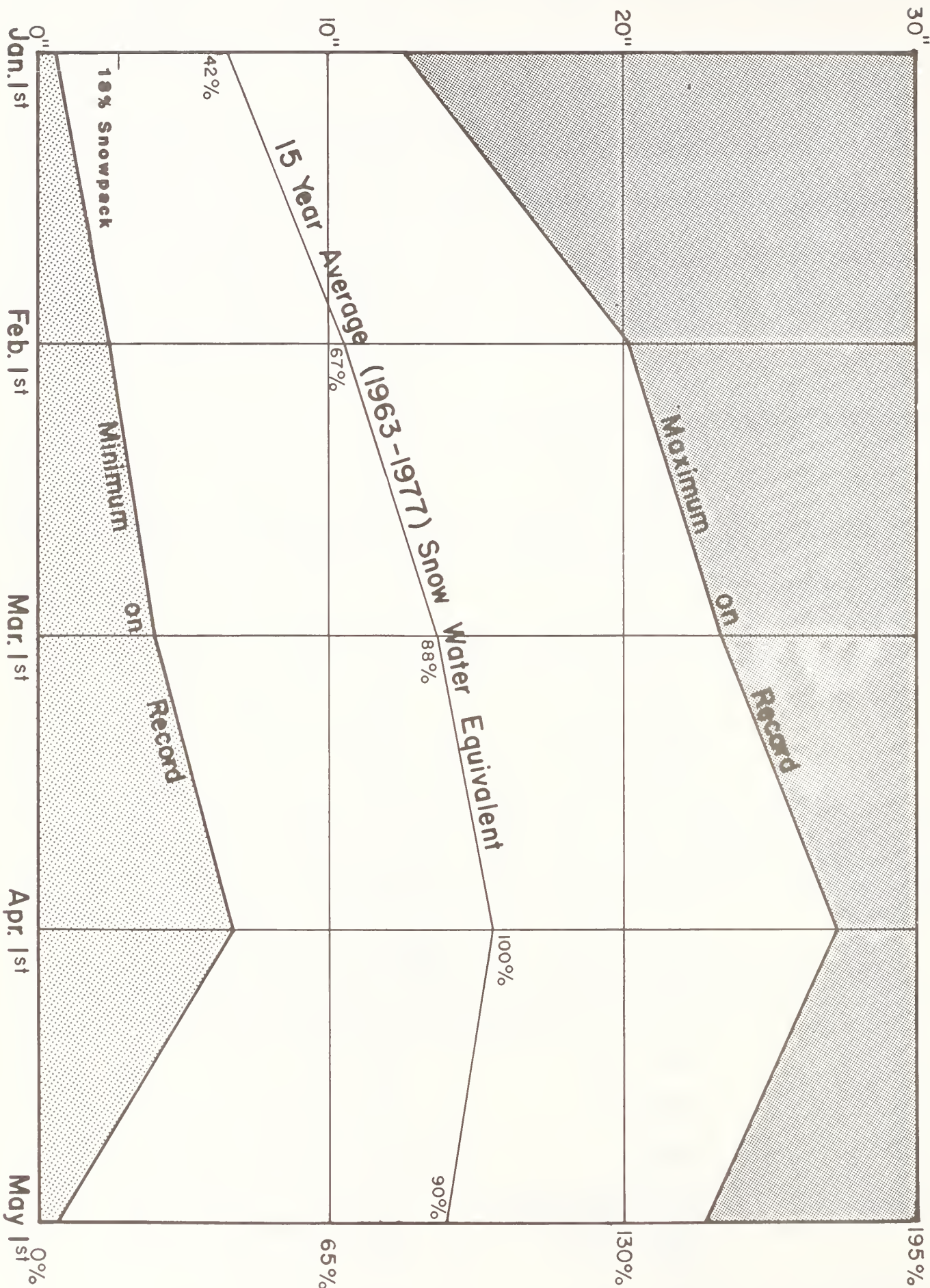
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1059.0	937.8	1035.4
	Woodruff Narrows	26.5	11.4	6.5	18.1
<u>Beaver River</u>	Minersville (RkyFd)	23.3	21.0	14.2	10.0
<u>Little Bear</u>	Hyrum	15.3	10.2	10.1	10.4
	Porcupine	11.3	2.3	0.9	2.7
	Causey	6.9	3.6	1.9	1.8b
	Pineview	110.1	57.2	61.2	52.1
<u>Provo</u>	Deer Creek	149.7	99.5	88.7	107.3
<u>Settlement Creek</u>	Settlement Creek	1.2	0.5	0.4	---
	Vernon Creek	0.6	0.3	0.5	---
	Gunnison	18.2	17.4	5.7	9.7
	Otter Creek	52.5	48.0	37.5	26.0
	Piute	71.8	49.7	45.2	32.2
	Sevier Bridge	236.0	214.1	95.4	99.0
<u>Spanish Fork</u>	Strawberry	270.0	211.0	152.6	147.8
<u>Utah Lake</u>	Utah Lake	883.9	859.3	647.6	639.3
<u>Weber</u>	East Canyon	48.1	34.8	27.6	26.6
	Echo	73.9	53.7	31.8	44.4
	Lost Creek	20.0	15.8	12.8	12.6b
	Rockport	60.9	40.4	30.2	37.9
	Willard Bay	193.3	162.7	166.4	121.6b
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	23.9	12.2	19.0
<u>Colorado</u>	Blue Mesa	829.5	558.0	580.0	---
	Lake Powell	25002.0	22105.0	20854.0	---
<u>Green</u>	Flaming Gorge	3749.0	3013.0	2397.0	---
<u>Lakefork</u>	Moon Lake	35.8	13.8	5.8	15.0
<u>Price River</u>	Scofield	65.8	48.5	41.5	33.7
<u>San Juan</u>	Navajo	1696.0	1382.0	1234.0	---
<u>San Rafael</u>	Huntington North	3.9	1.1	1.5	1.7
	Joe's Valley	54.6	37.6	32.8	35.1b
	Mill Site	16.7	9.3	3.7	---
			136.9		---
<u>Strawberry</u>	Starvation	165.3		16.1	---
<u>Uintah</u>	Bottle Hollow	11.3	11.3	10.2	9.8b

b=less than 15 yrs.

UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses

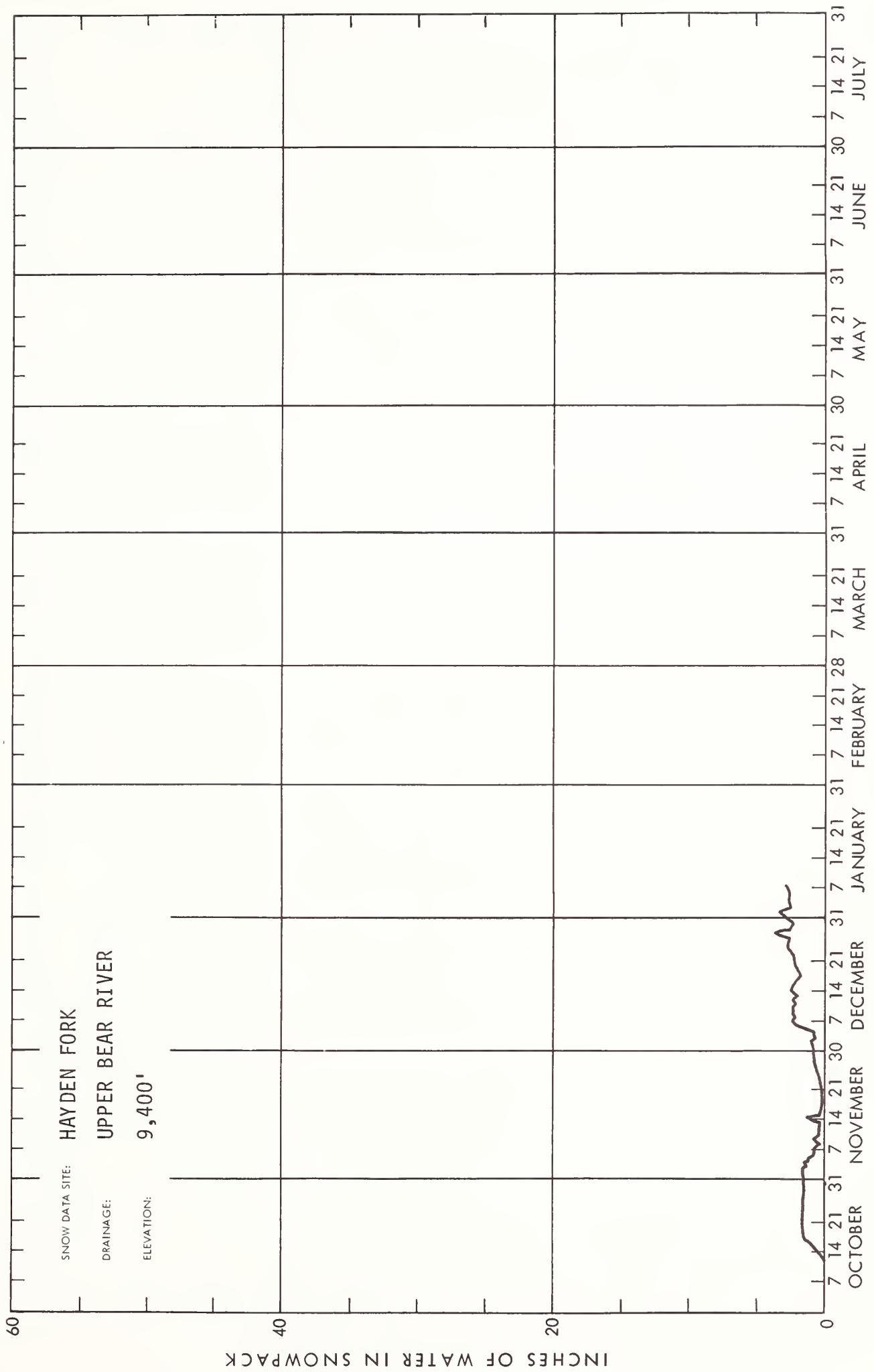


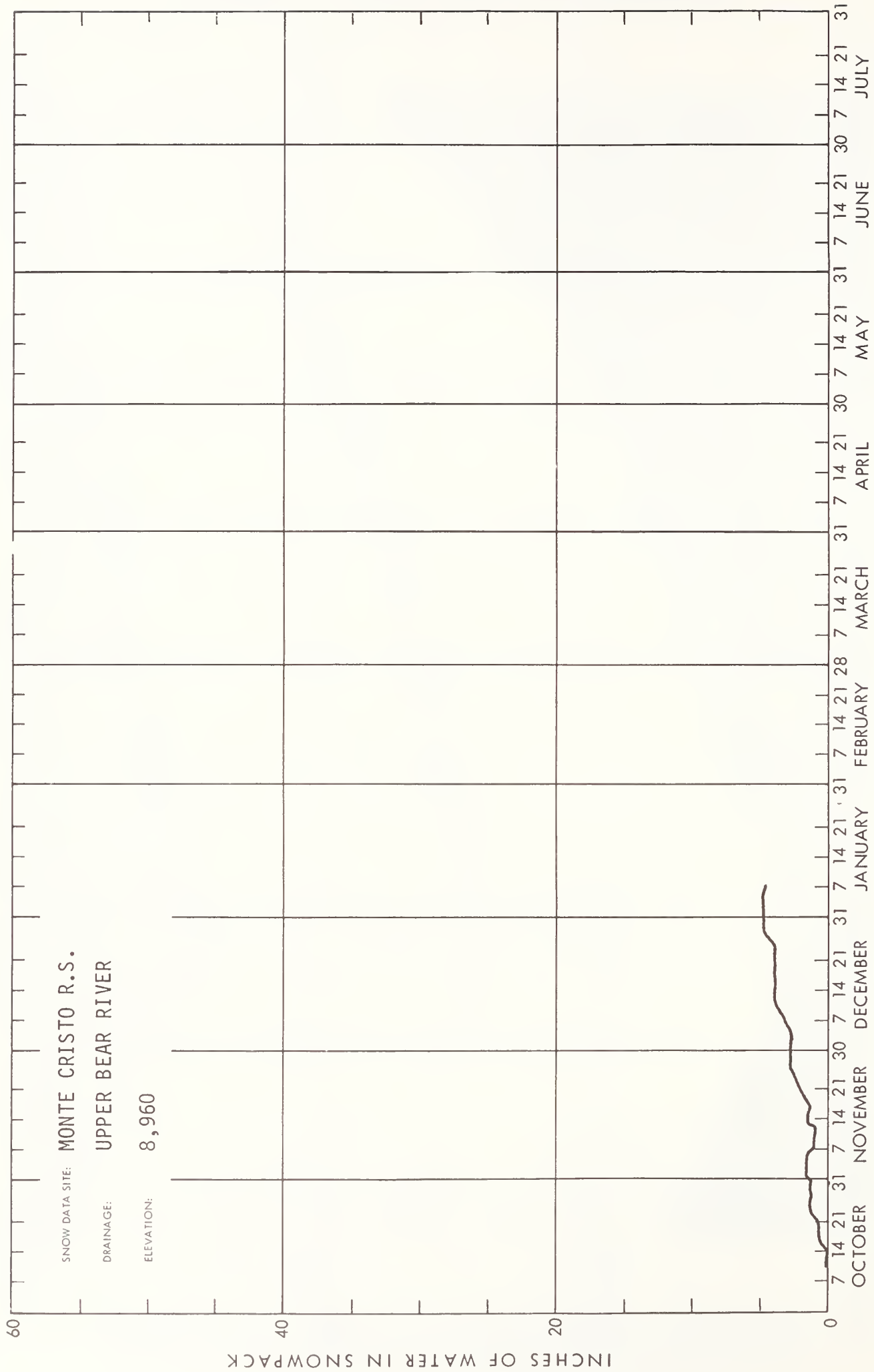
PERCENT OF APRIL 1st SNOW WATER EQUIVALENT

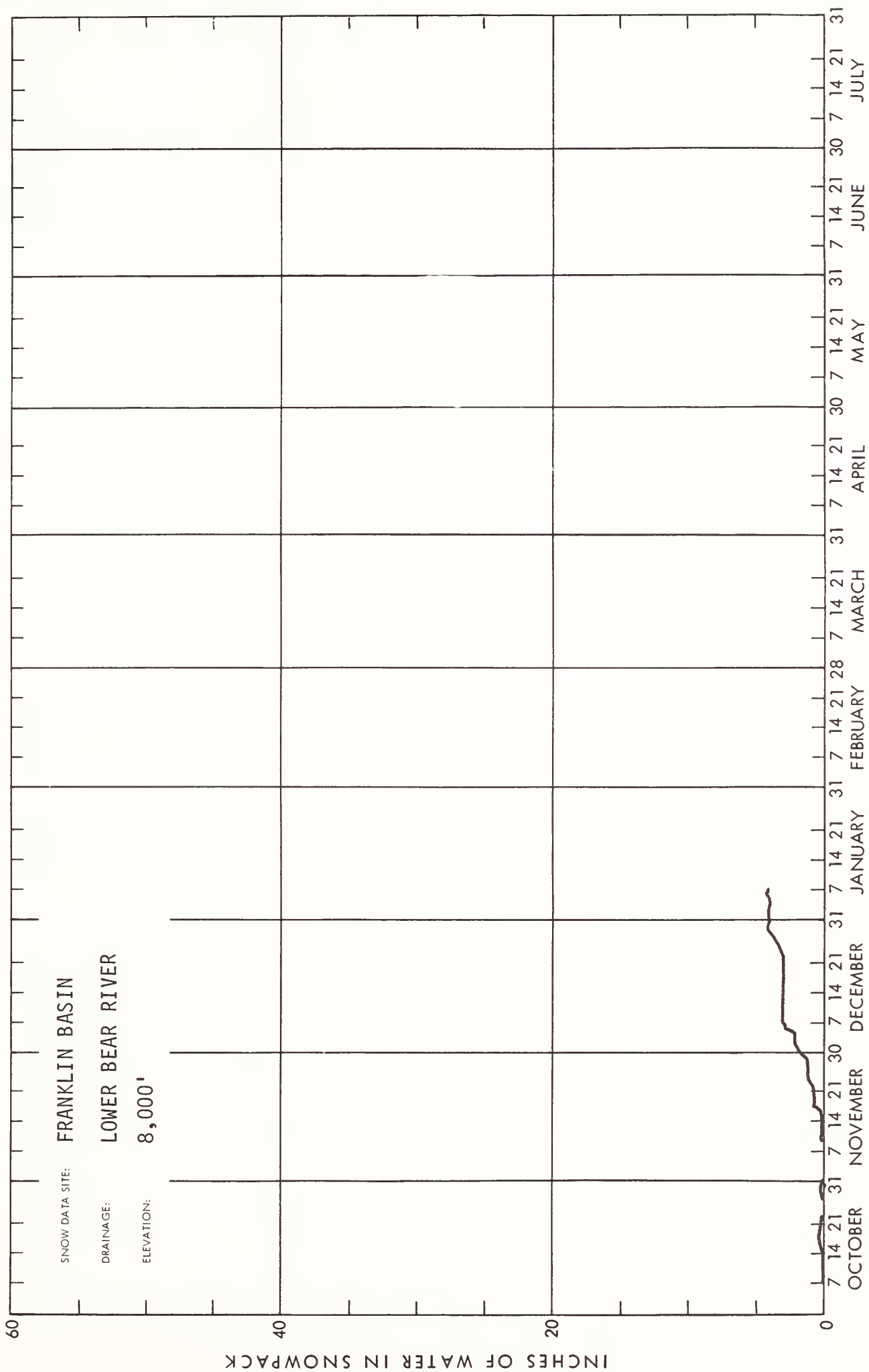
INCHES OF SNOW WATER EQUIVALENT

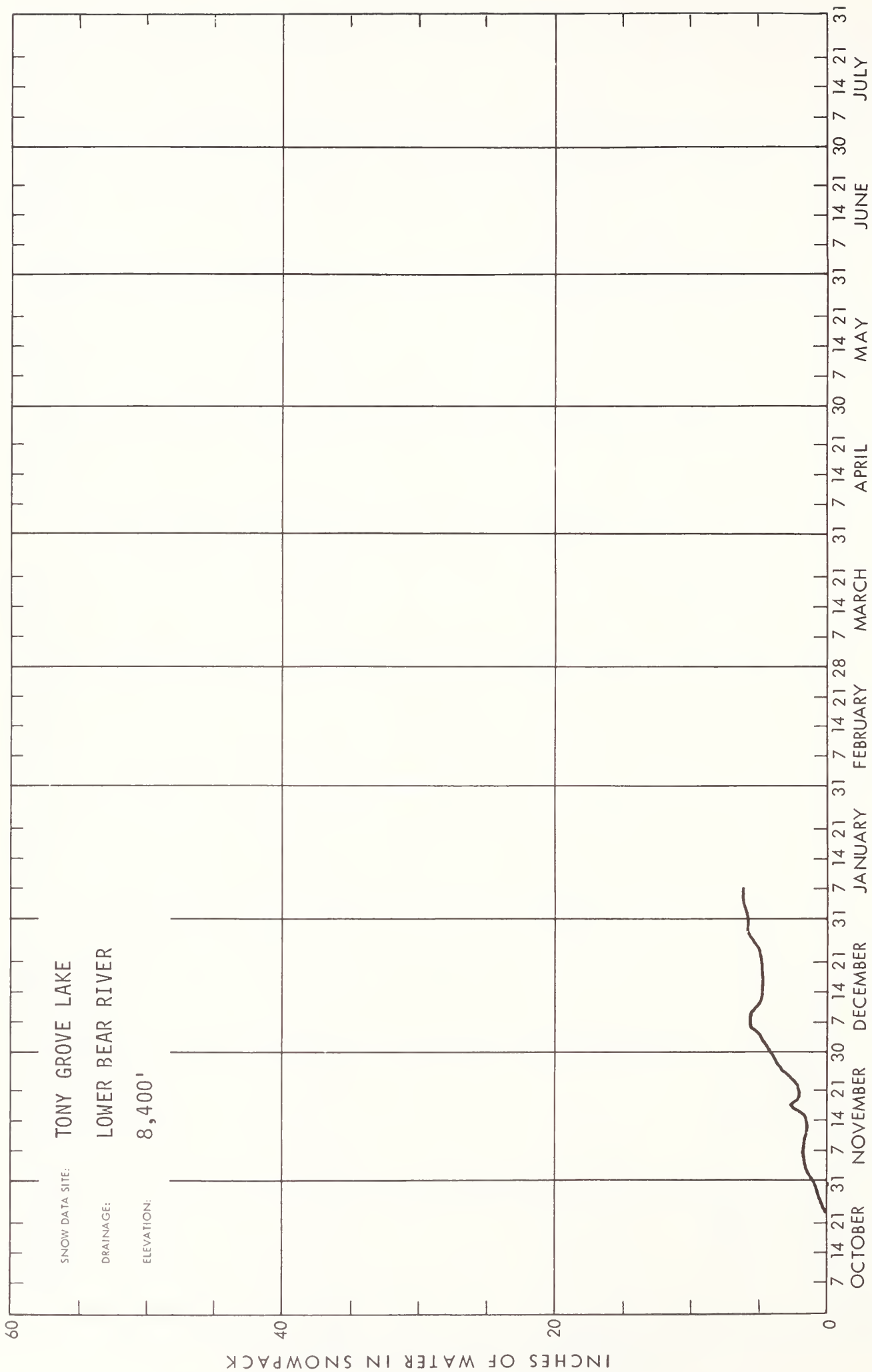
1981 Snowpack

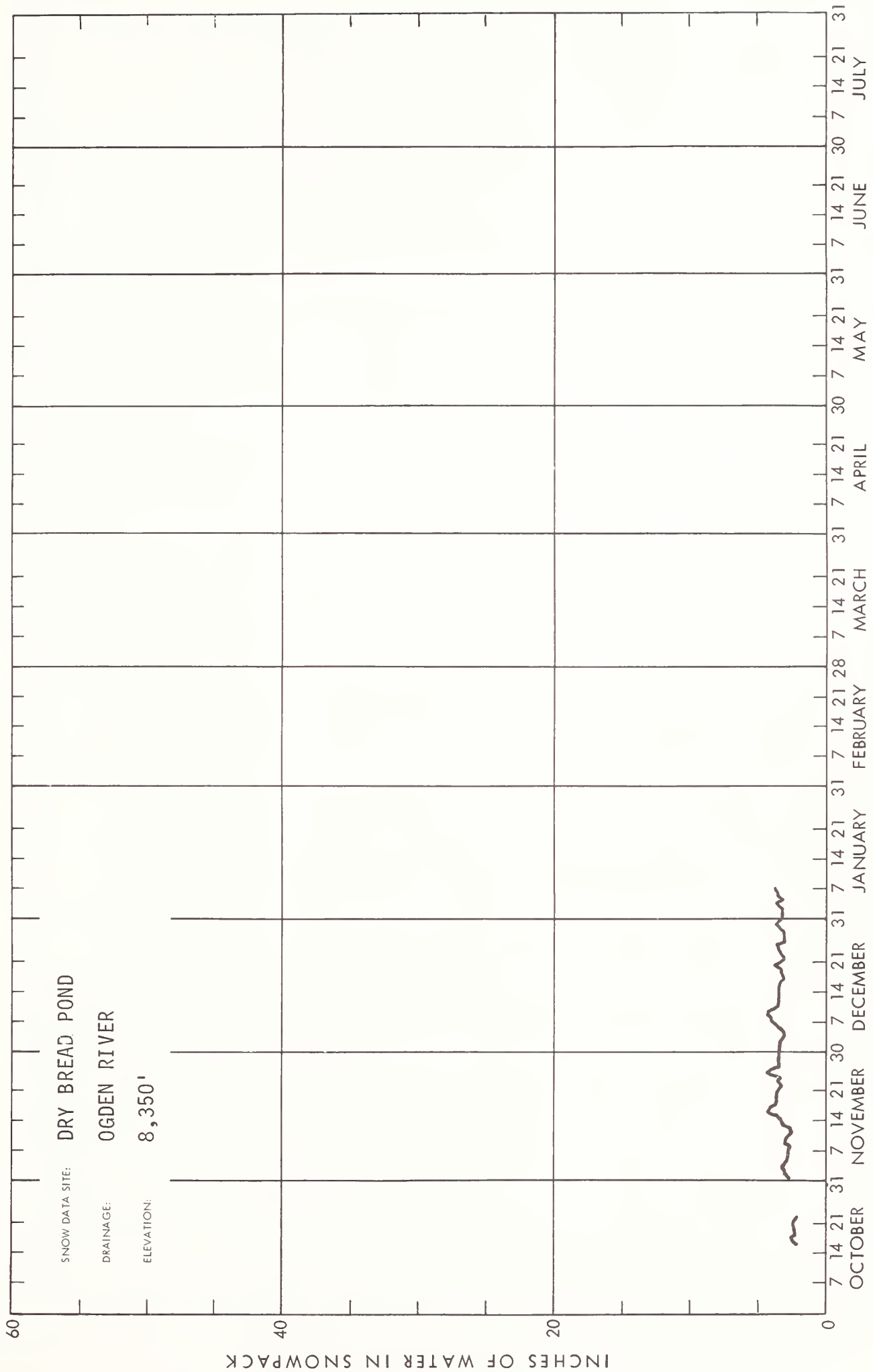


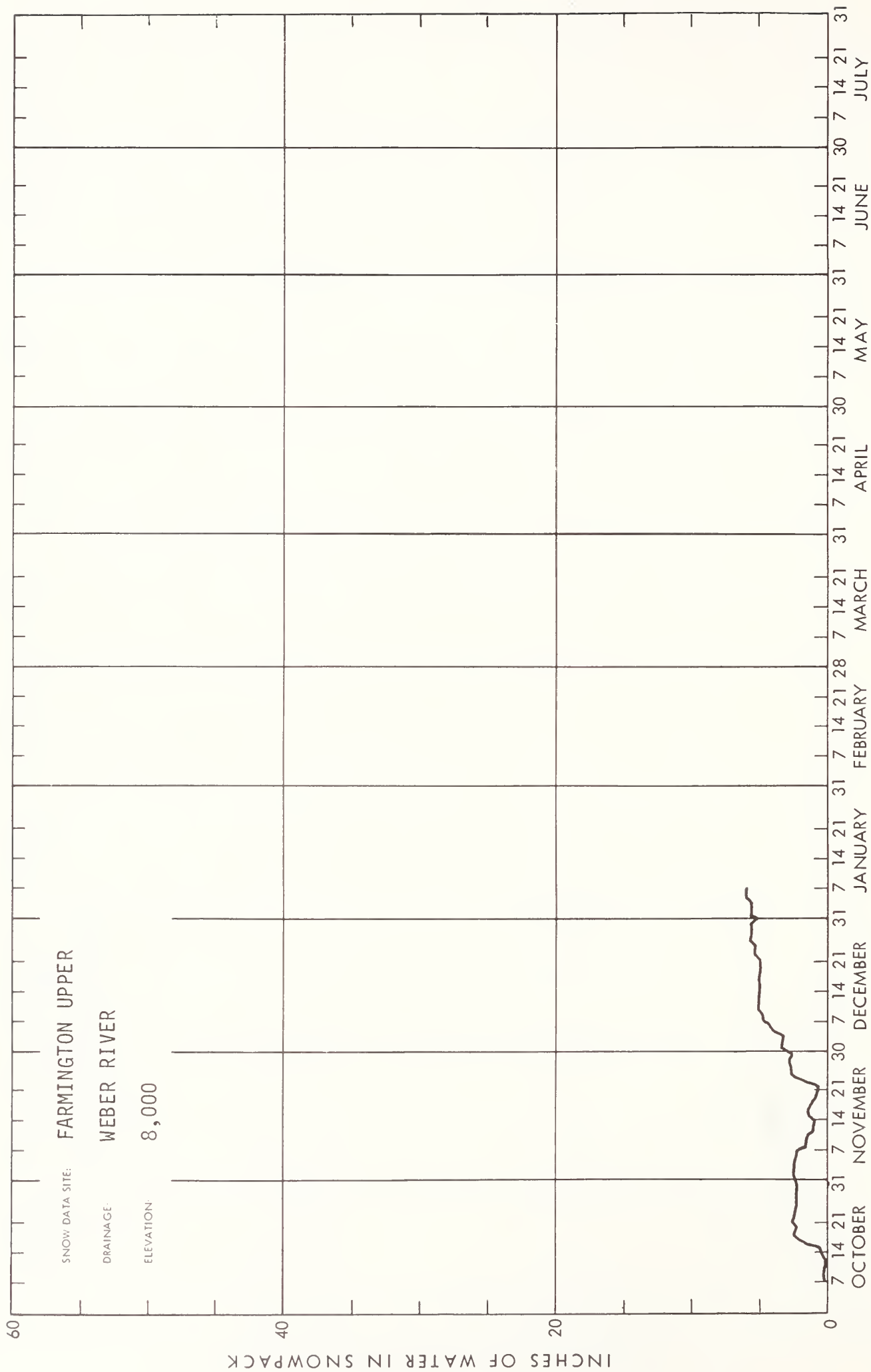


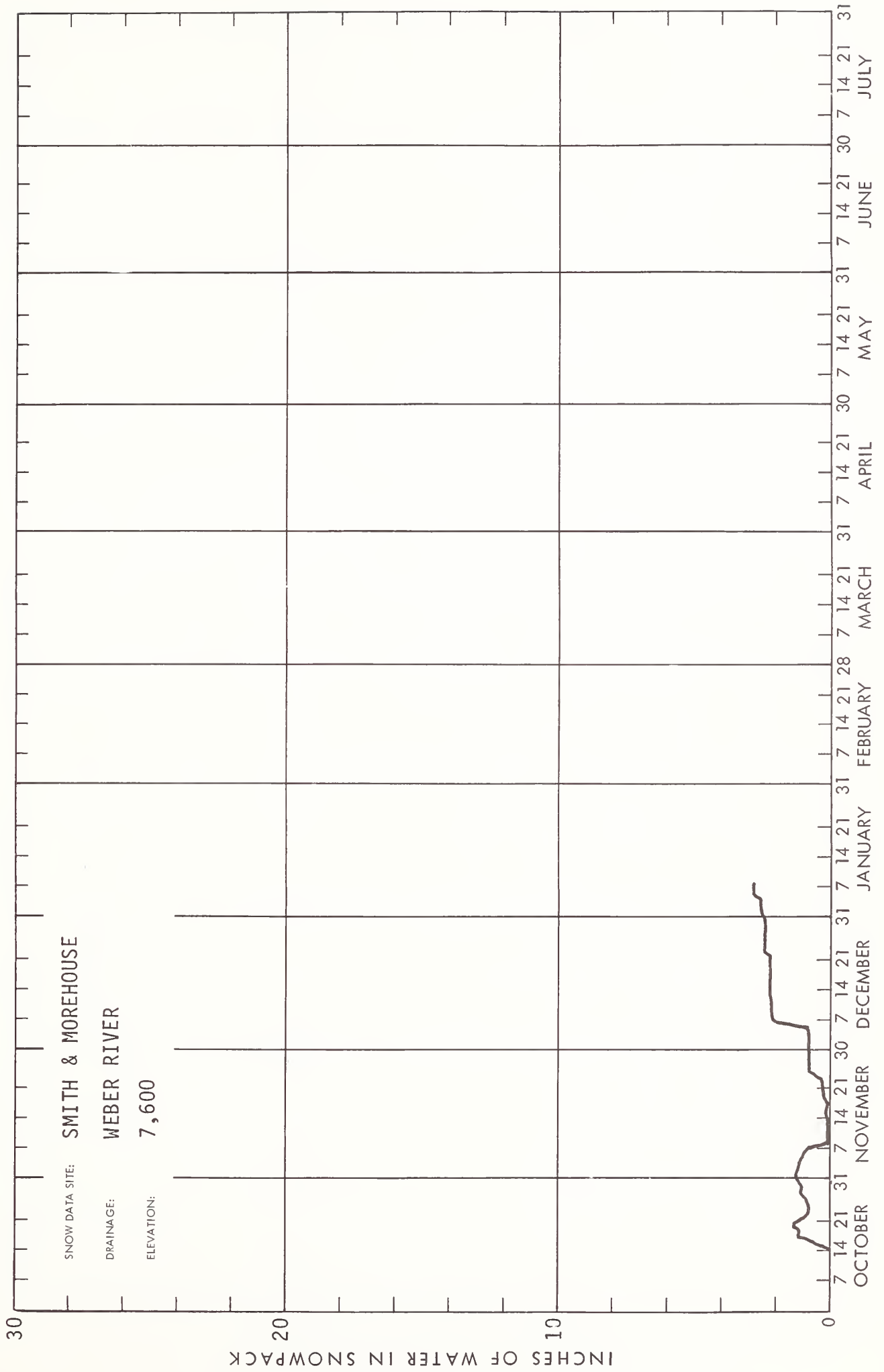


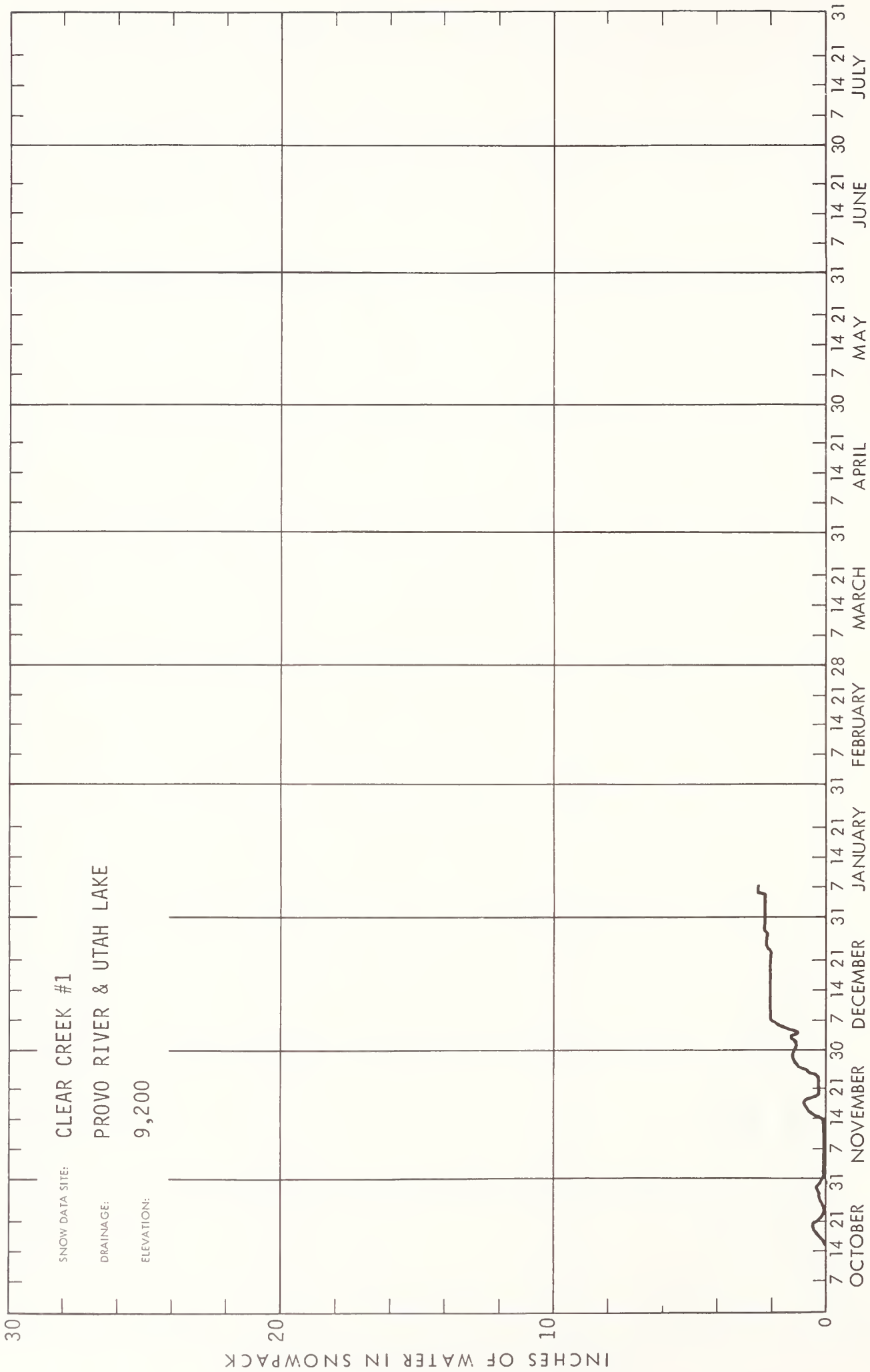


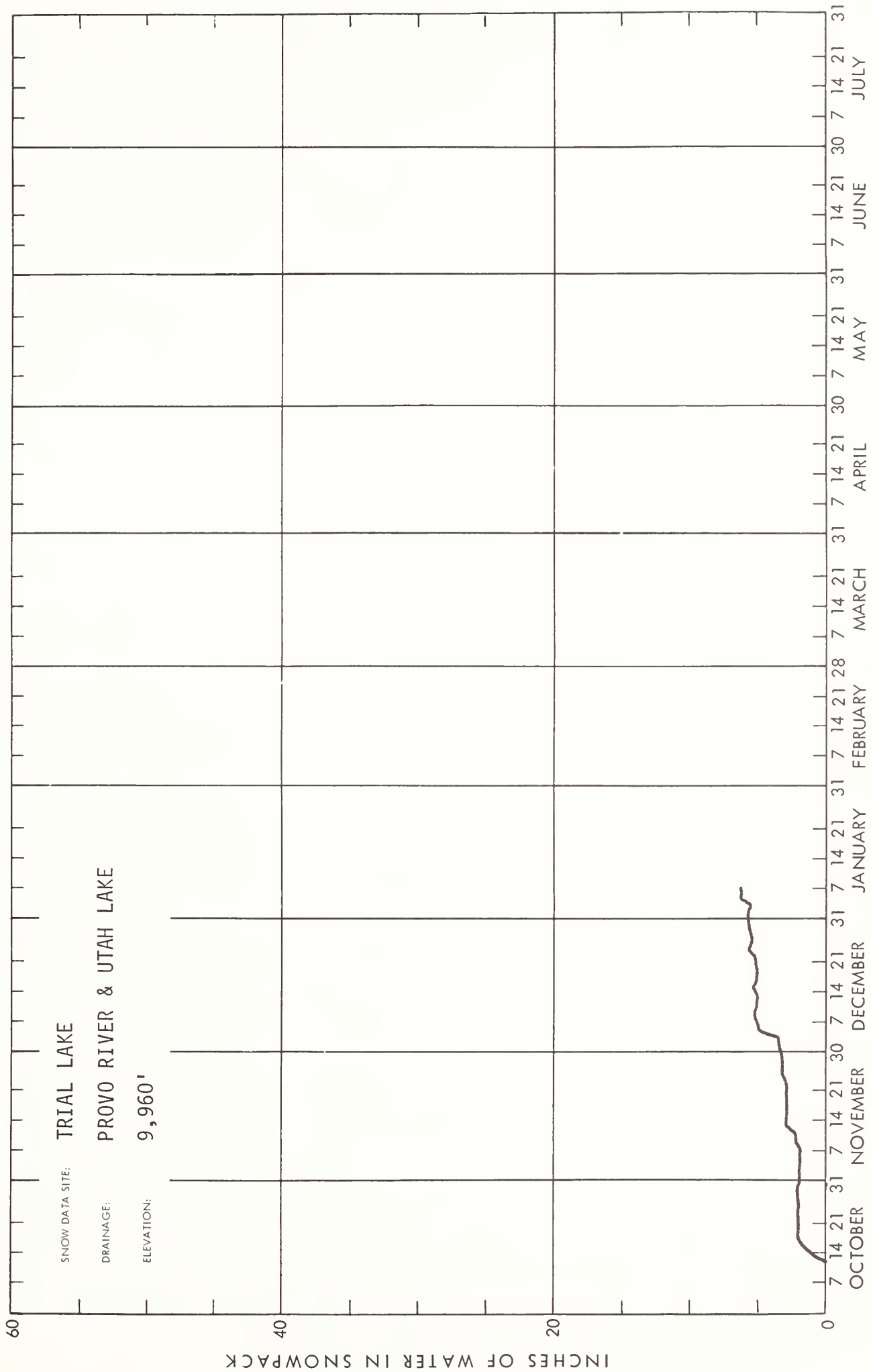


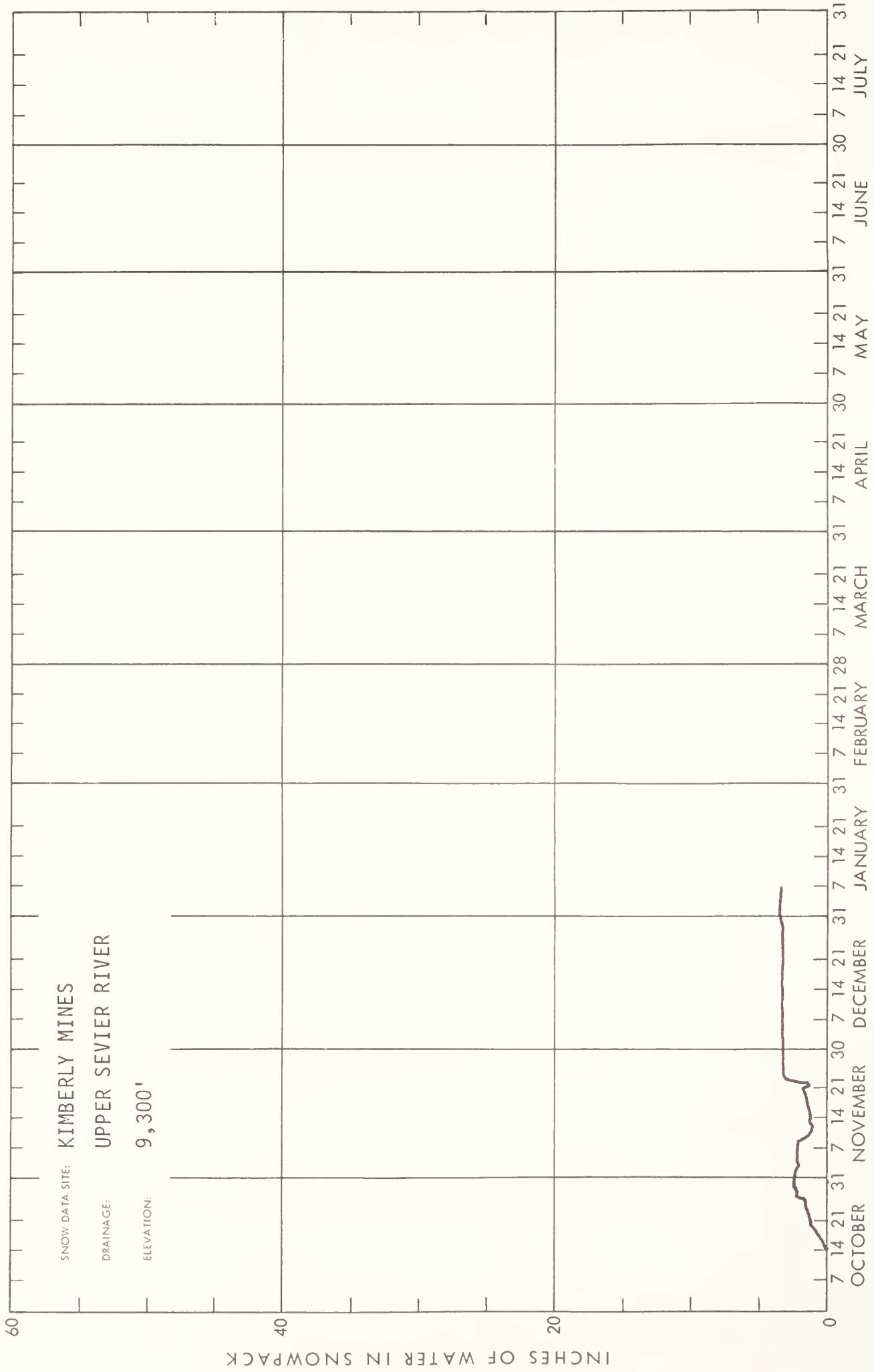


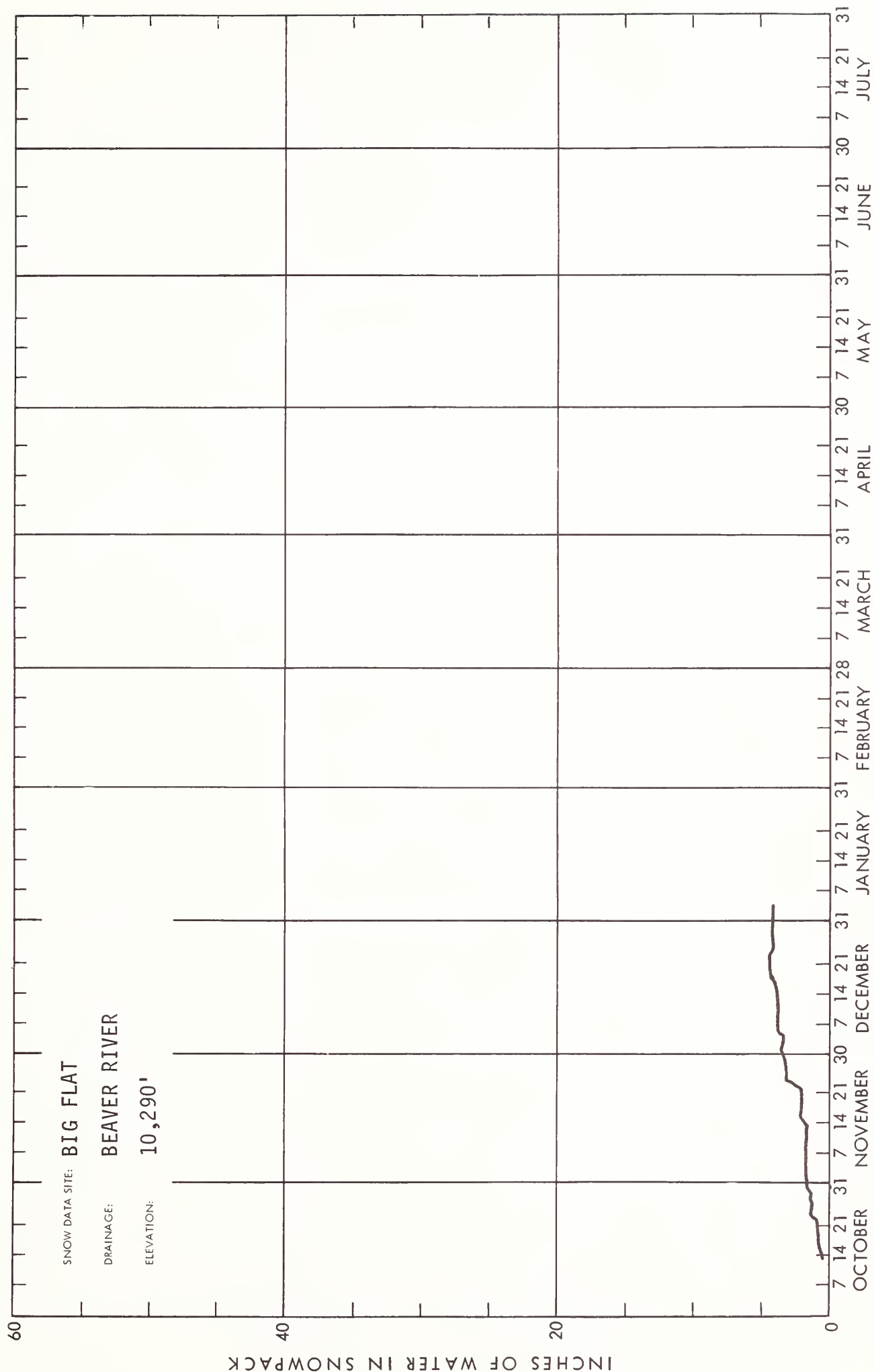


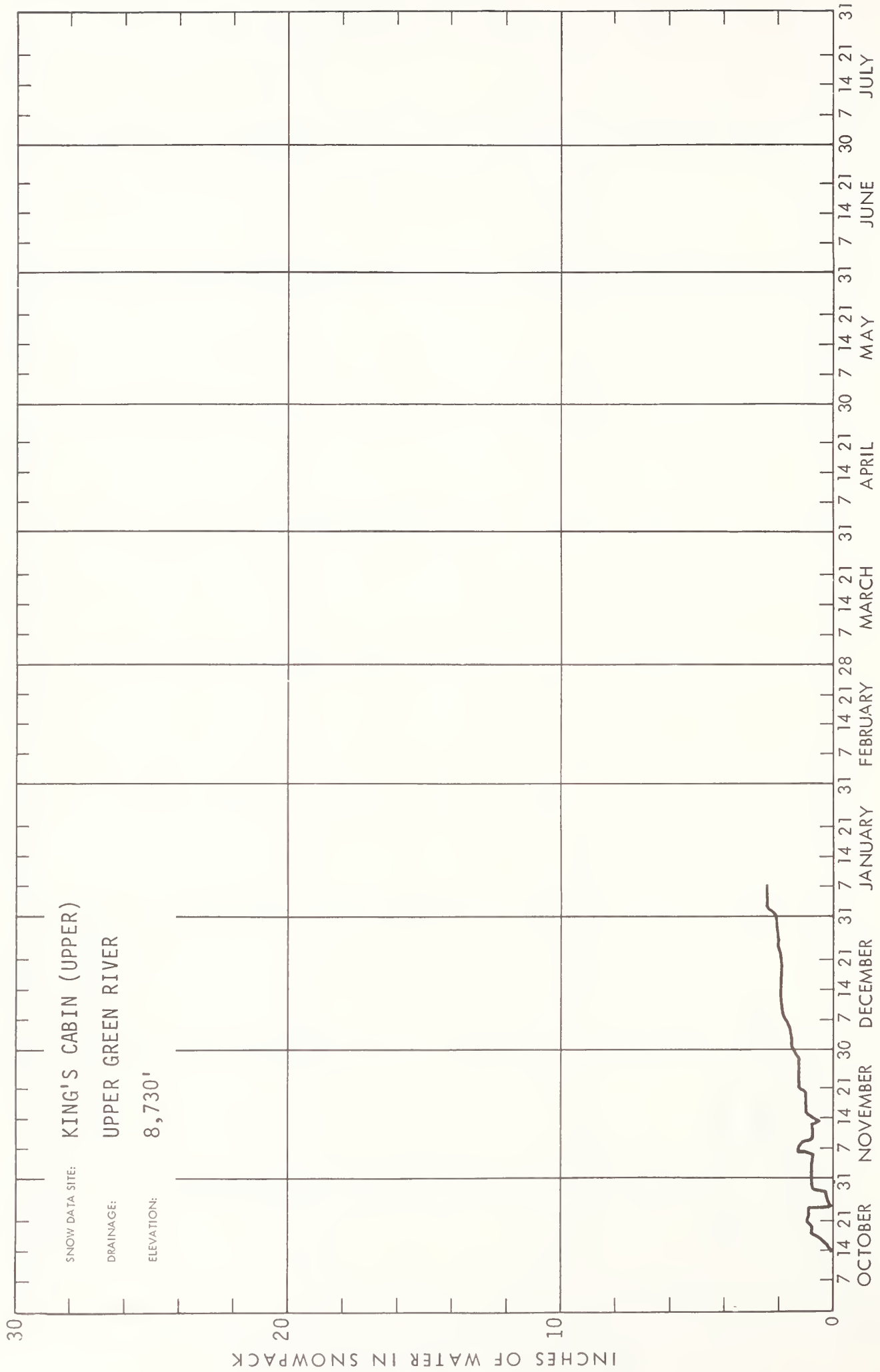


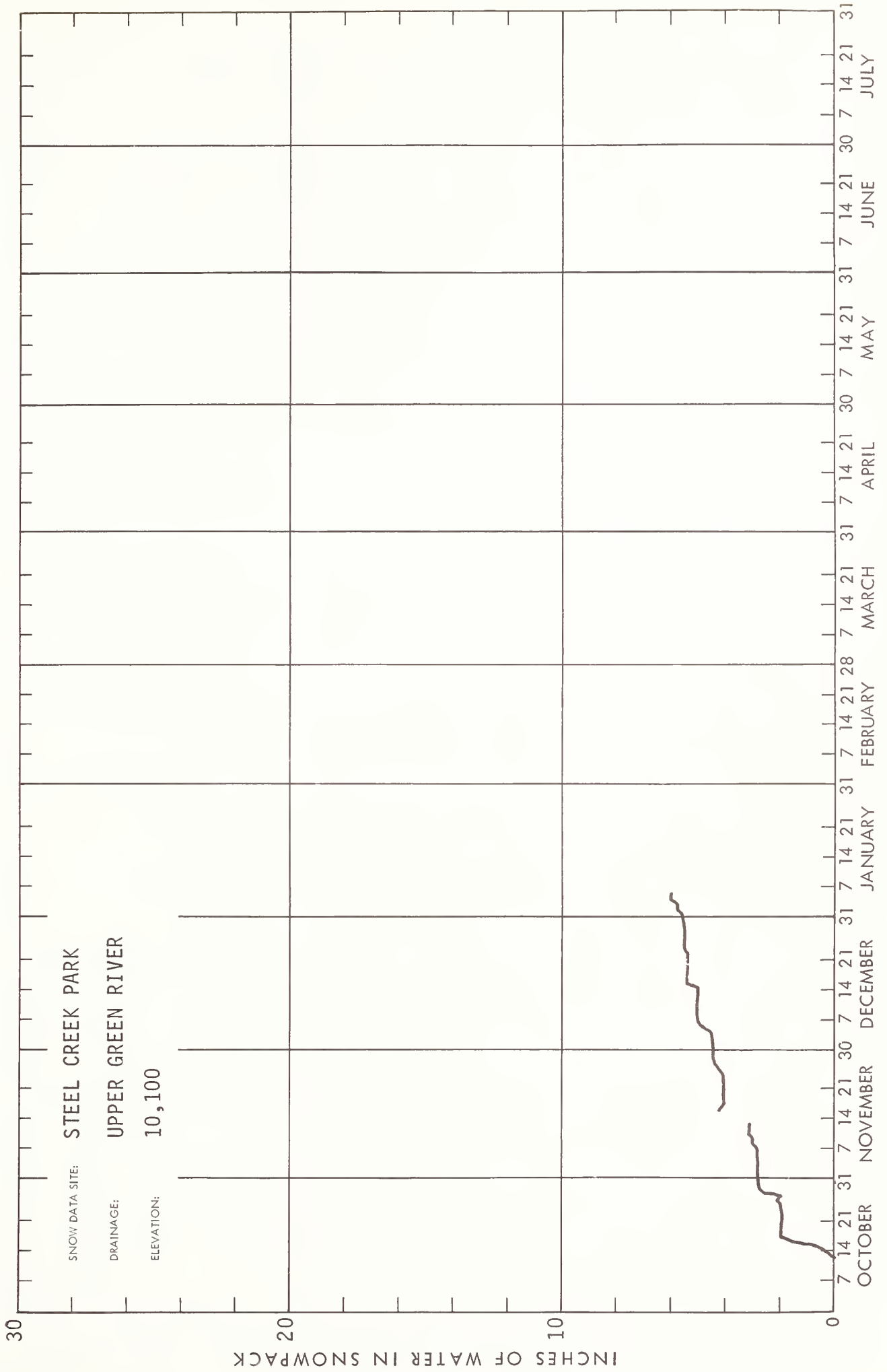


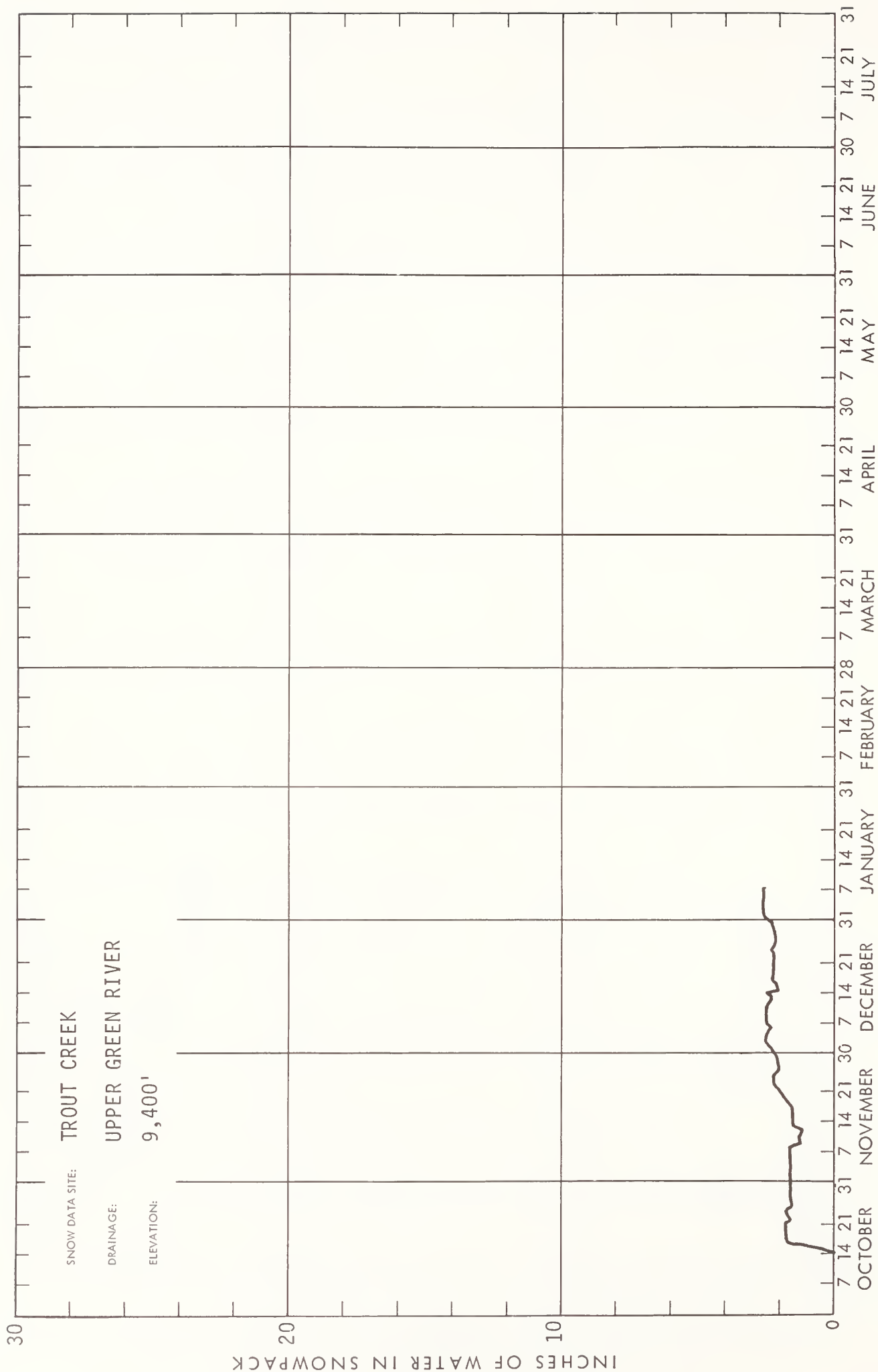


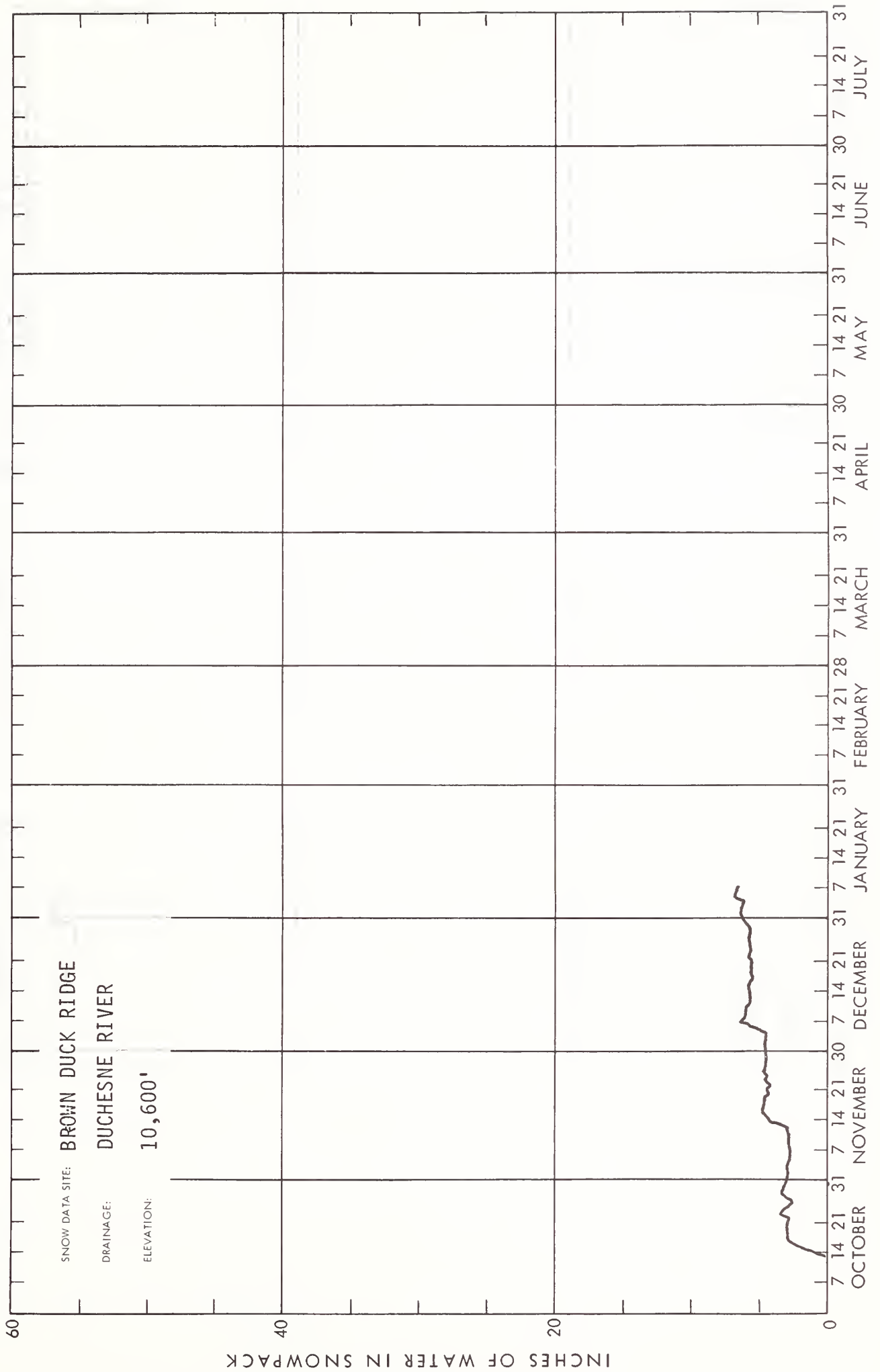


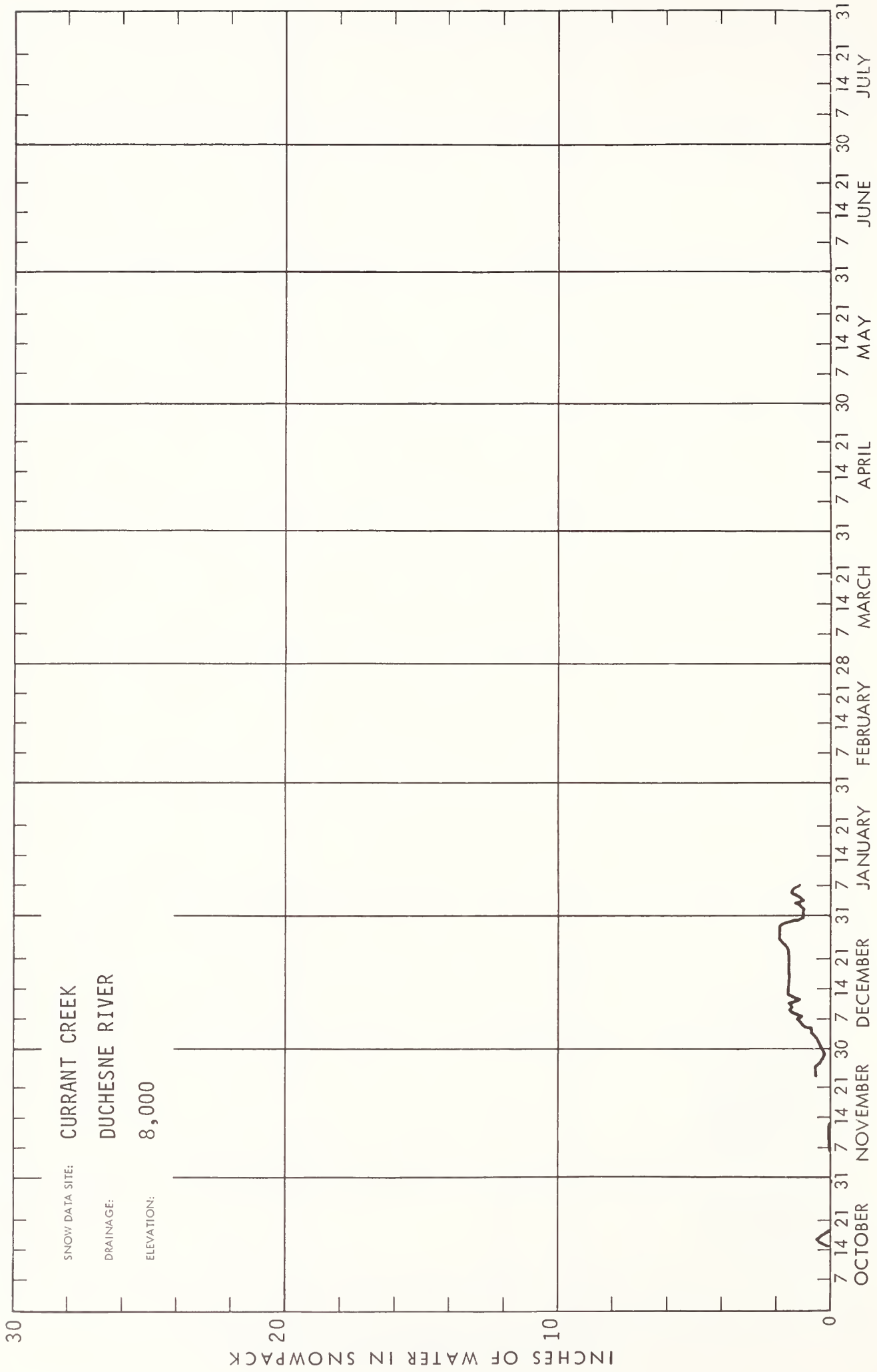


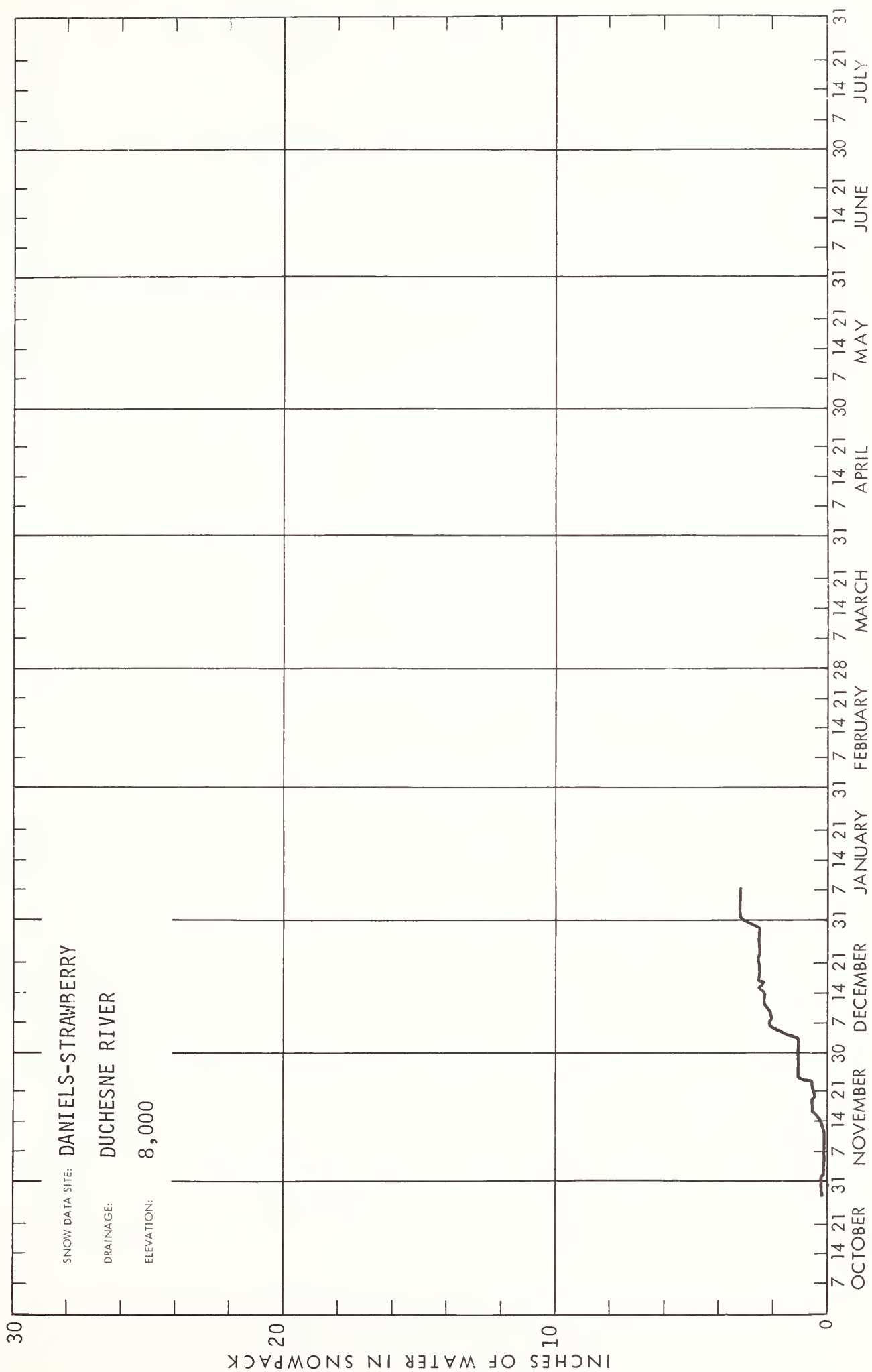


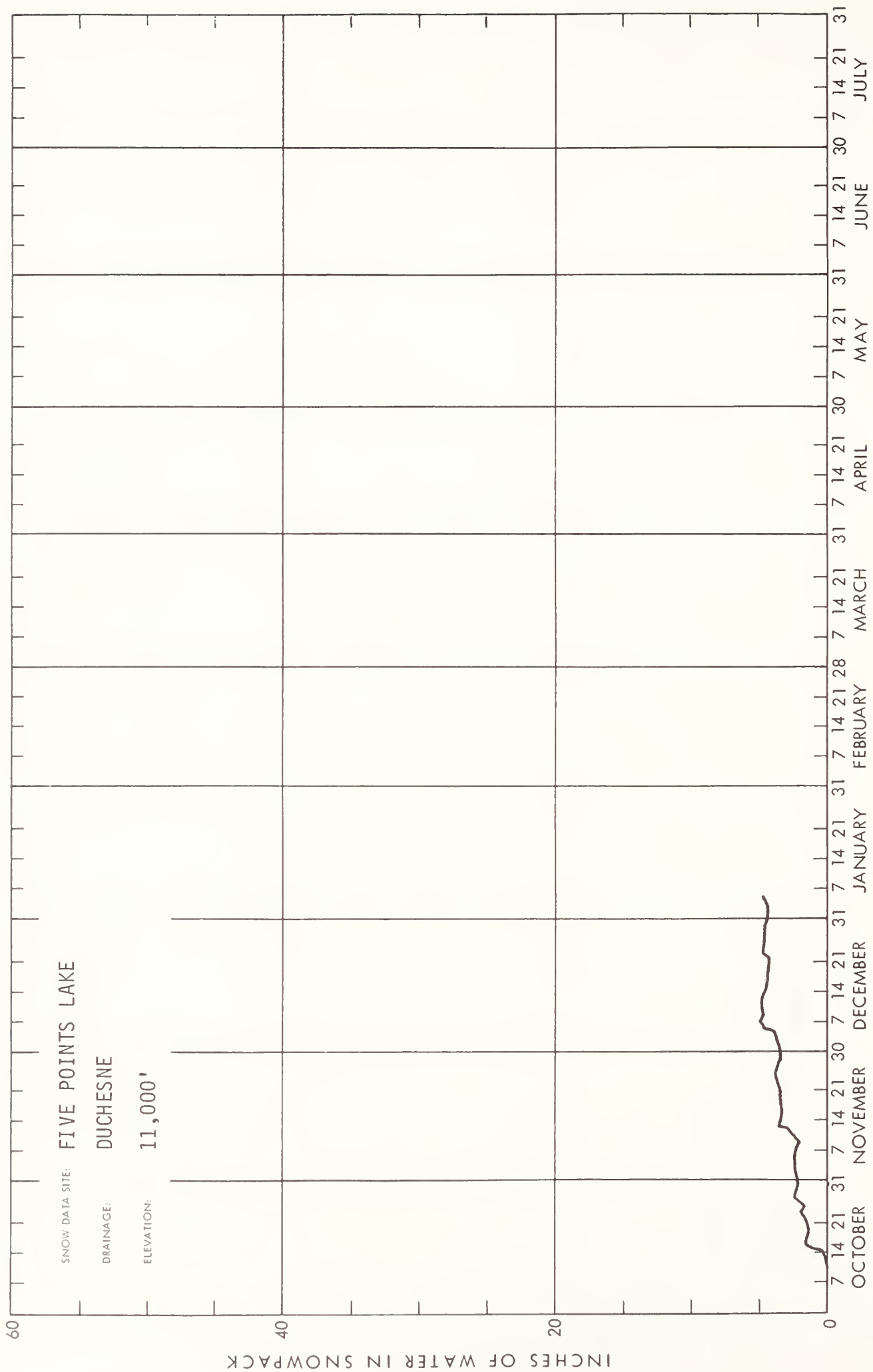


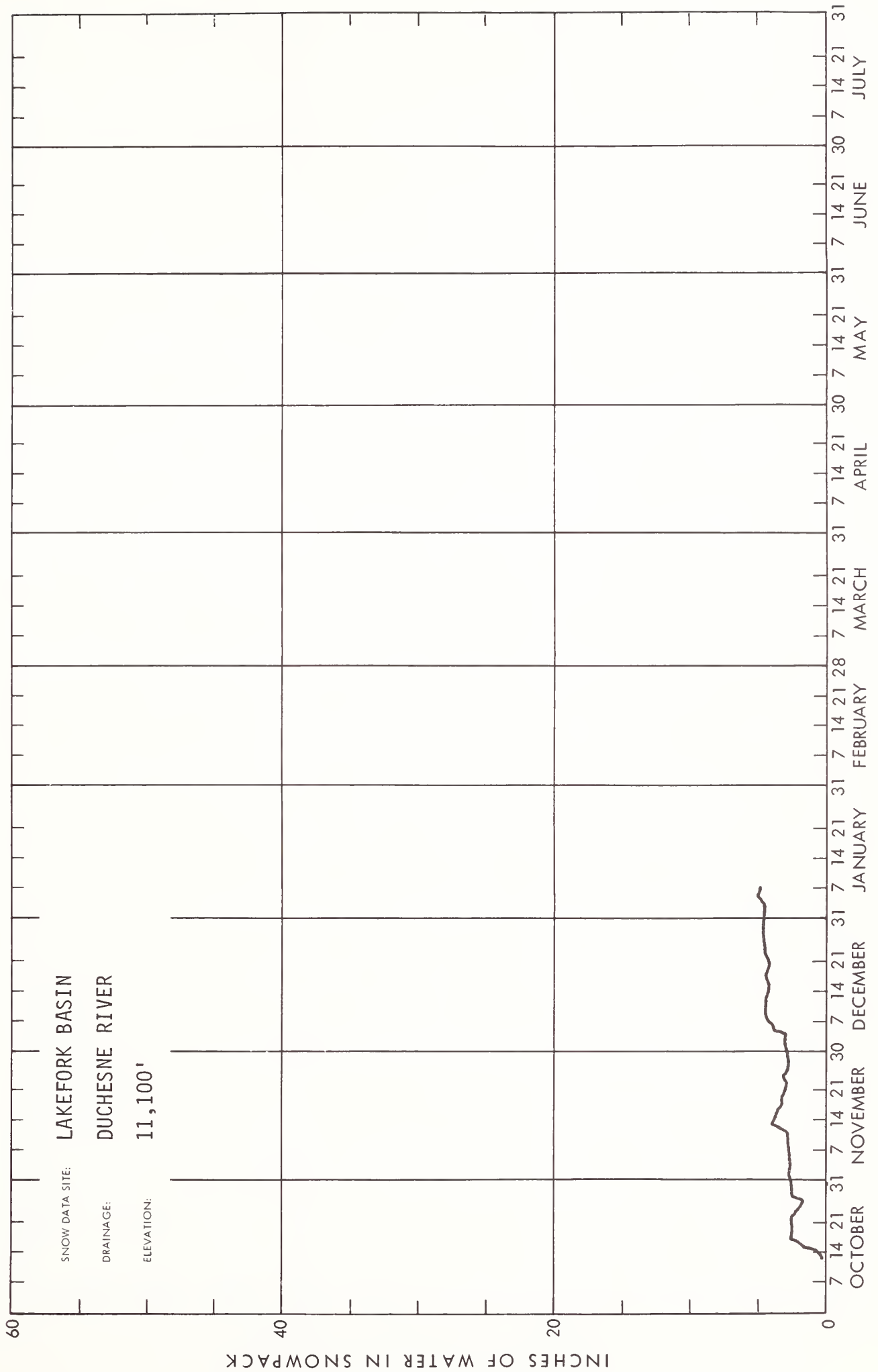


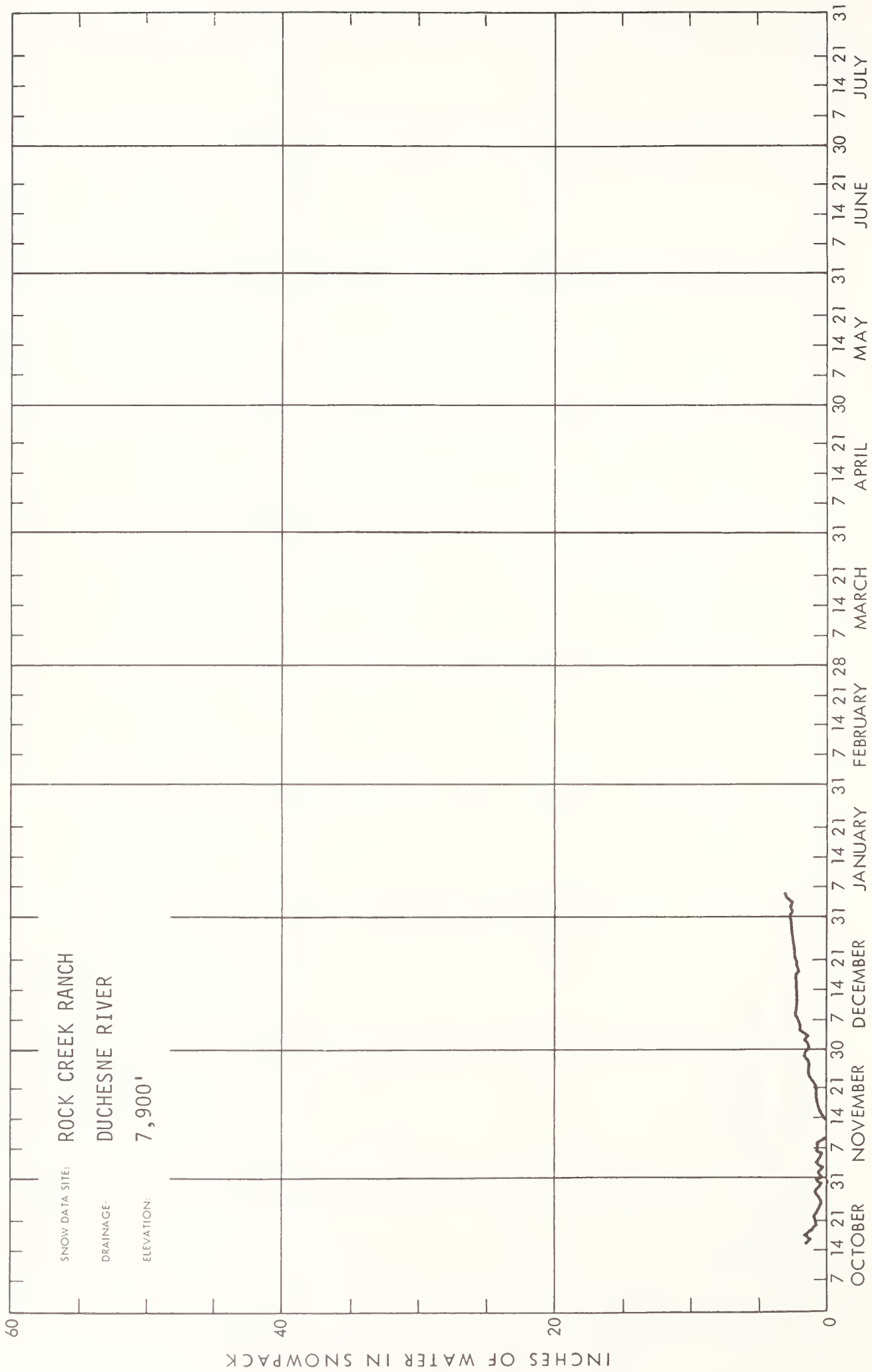


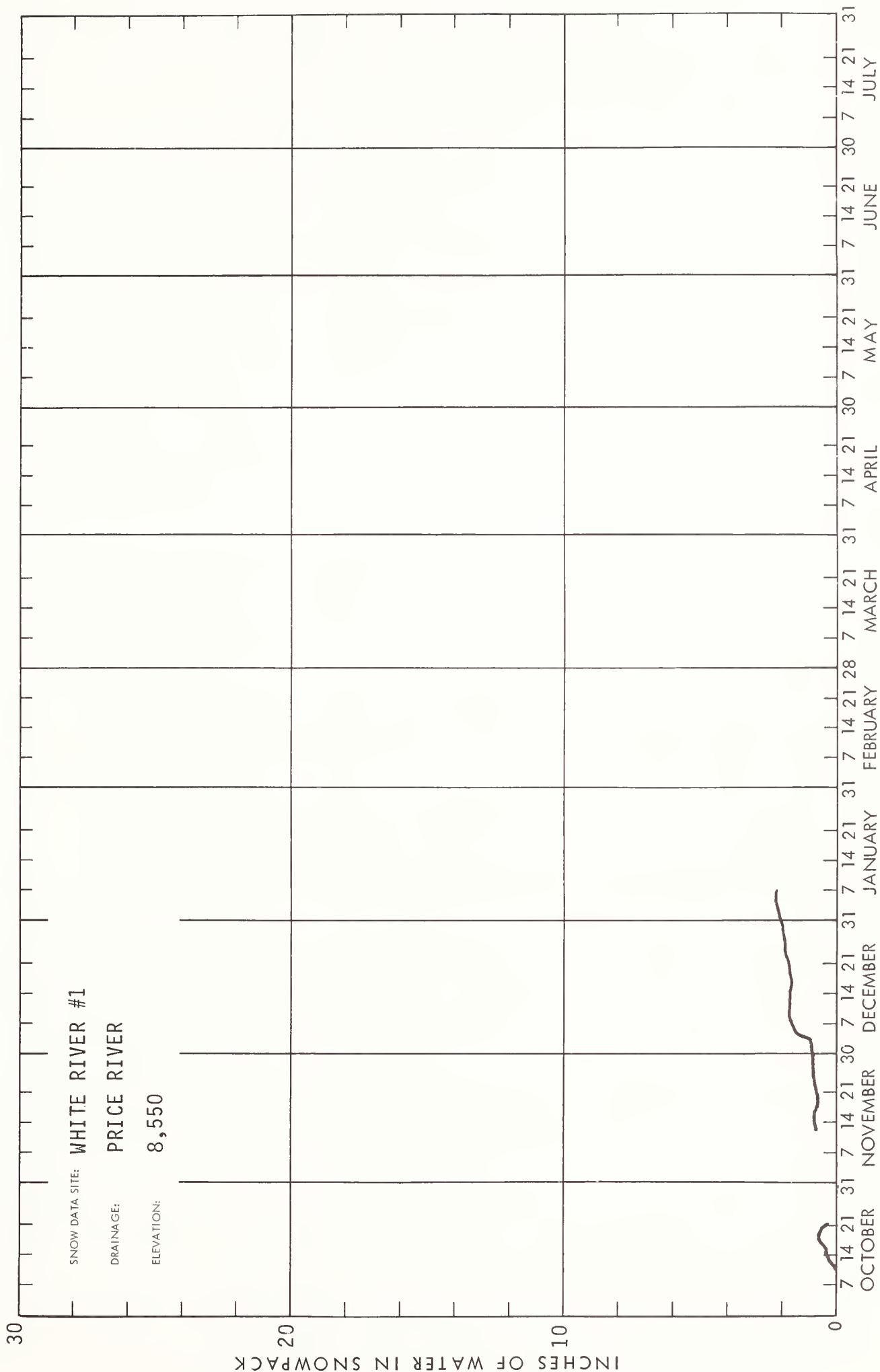


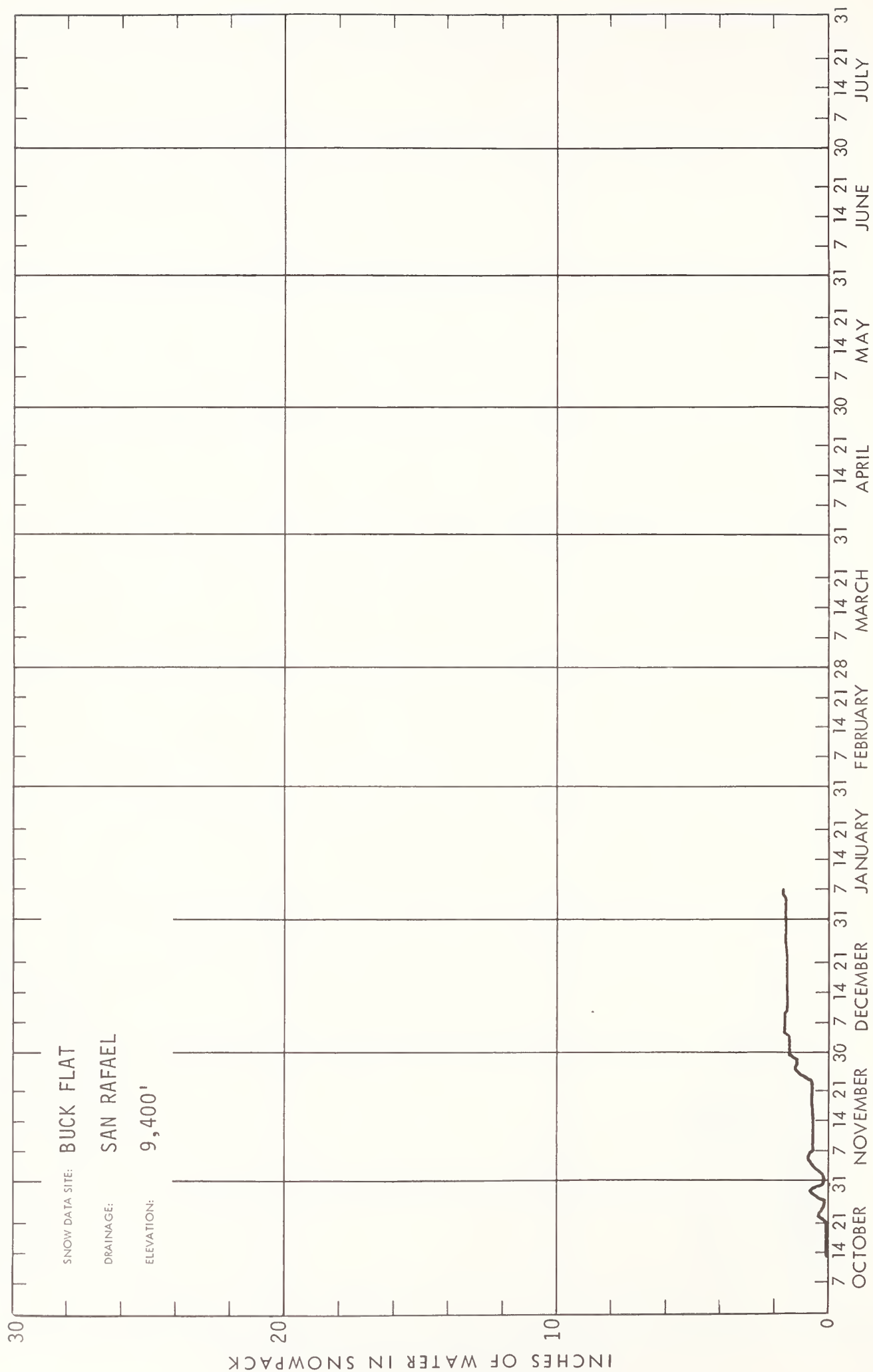


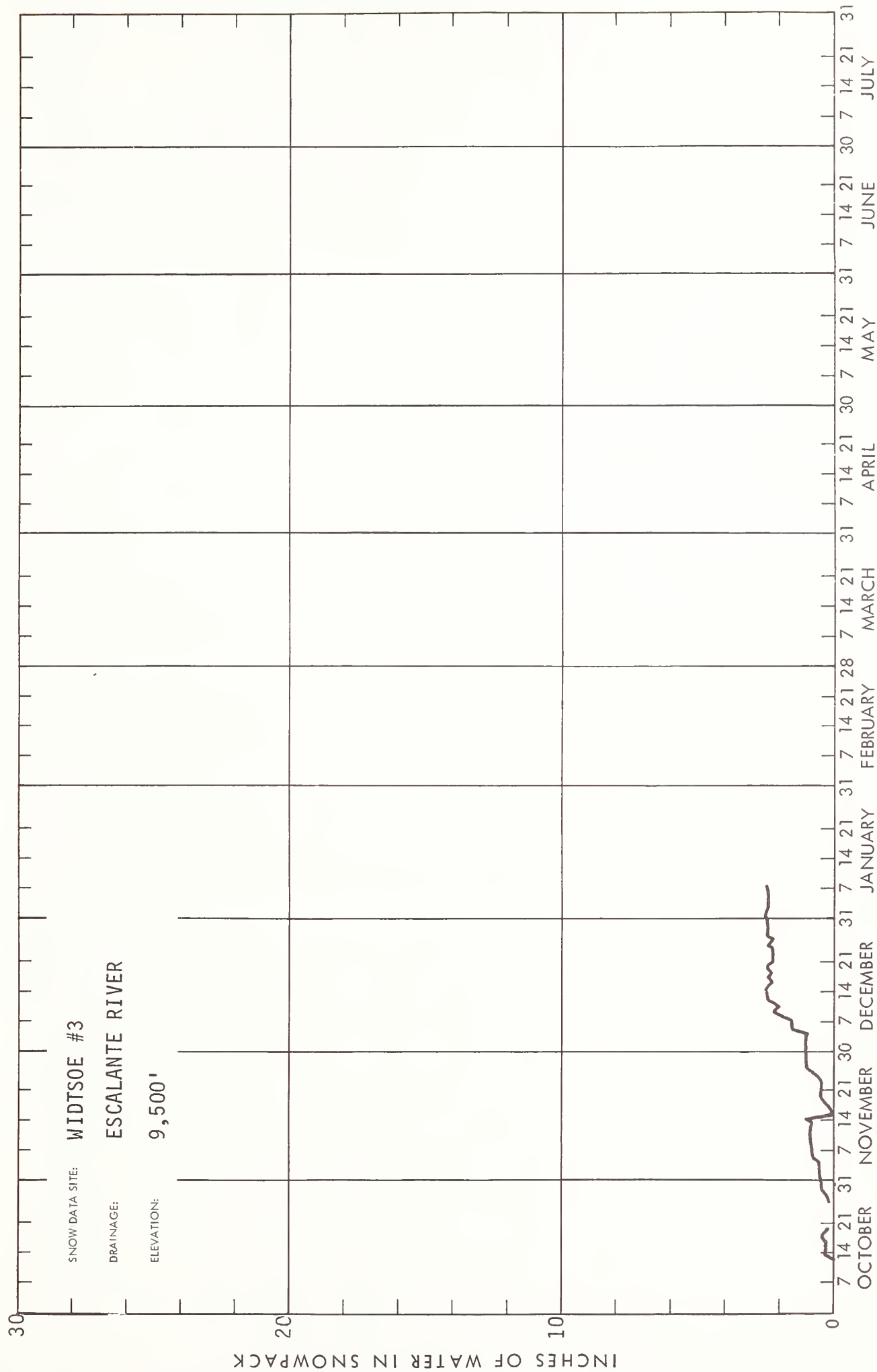


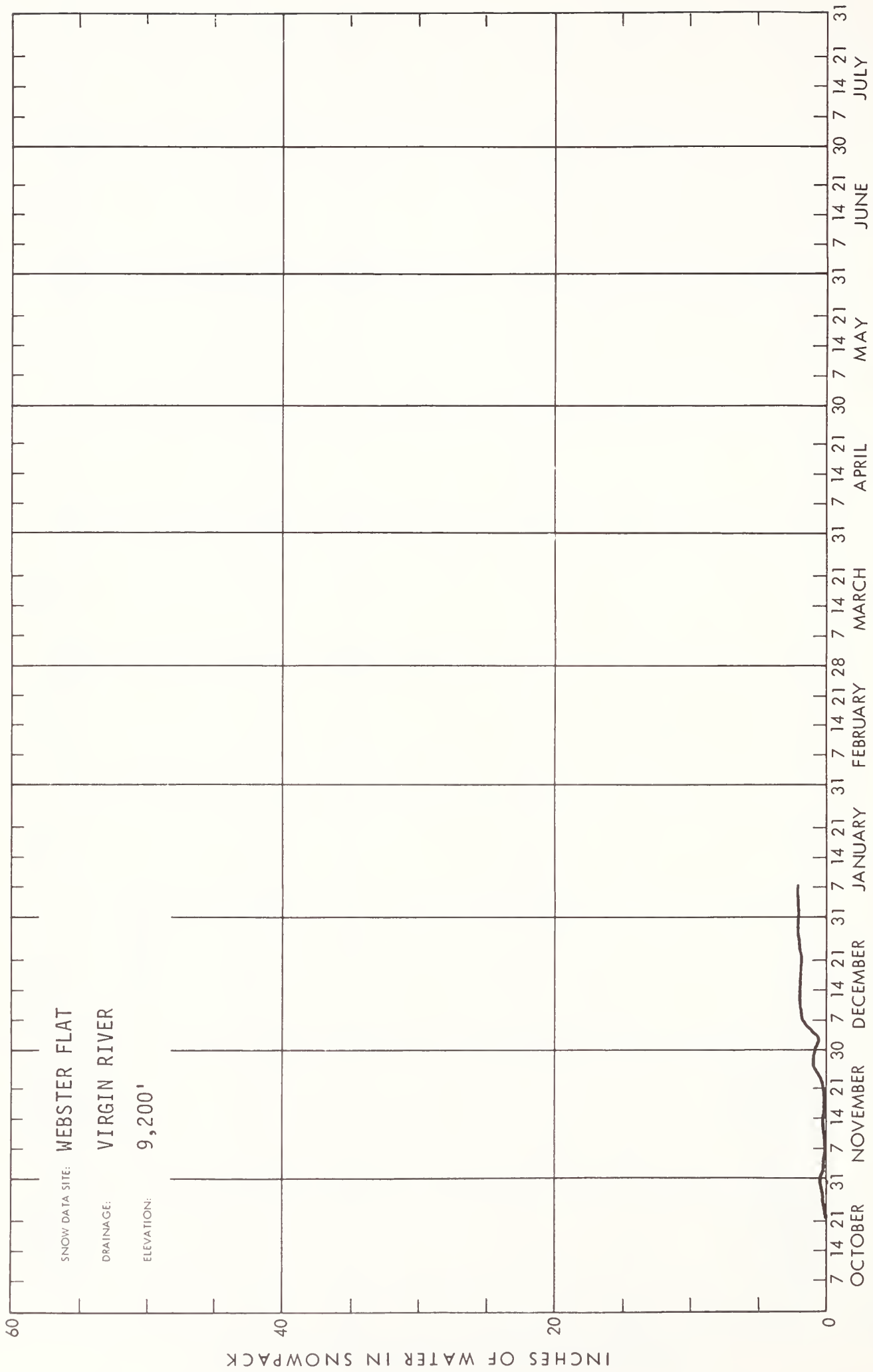












SNOW

PRECIPITATION (Inches)

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
	NAME											
GREAT BASIN												
UPPER BEAR RIVER (Above Harer, Idaho)												
	Burts-Miller Ranch	12/30	5	1.0	2.0	--	12/30	--	--	5.31	--	--
	CCC Camp	12/30	13	2.0	--	--			--	--	--	--
	Hayden Fork	12/30	13	2.6	3.7	6.4	12/30	--	--	6.70	--	--
	Monte Cristo R.S.	12/26	17	4.4	4.6	9.6	12/26	--	--	6.40	11.07b	58
	Salt River Summit	12/30	17	3.0	2.8	5.9			--		7.17	--
	Stillwater Camp	12/30	10	1.8	3.1	--	12/30		--	2.11	--	--
	Lily Lake	12/30	22	5.1	4.6	--	12/30		--	5.79a	--	--
LOWER BEAR RIVER (Below Harer, Idaho)												
	Bug Lake	12/26	18	4.6	3.3	7.7a	12/26		--	6.70a	--	--
	Cub River R.S.	12/27	5	1.5	2.5	3.4a			--	--	--	--
	Emigrant Summit	12/29	15	4.2	5.2	9.4b			--	--	--	--
	Franklin Basin	12/27	14	3.4	4.1	9.9b	12/27		--	6.47a	--	--
	Garden City Summit	12/27	12	3.2	2.9	6.9			--		8.06	--
	Klondike Narrows	12/27	11	3.5	3.1	7.1	12/27		--	4.83	--	--
	Little Bear (lower)	12/26	9	2.8	1.8	--			--	--	--	--
	Little Bear (upper)	12/26	10	2.8	2.2	5.8b	12/26		--	6.65a	--	--
	Slug Creek Divide	12/29	14	3.4	3.7	7.5b			--	--	--	--
	Steep Hollow #1	12/27	24	6.9	8.1	13.6			--	--	--	--
	Steep Hollow #2	12/27	16	4.7	4.5	9.1	12/27		--	--	--	--
	Tony Grove Lake	12/27	22	5.8	16.4	12.5	12/27		--	6.05a	--	--
	Tony Grove R.S.	12/27	8	2.2	1.7	4.1	12/27		--	4.09	--	--
	Willow Flat	12/27	8	3.1	3.4	5.9a	12/27		--	5.67	10.14b	56
OGDEN RIVER												
	Beaver Creek-Skunk Creek	12/26	7	2.3	3.7	--			--	--	--	--
	Ben Lomond Peak	12/26	22	5.9	6.8	12.4	12/26		--	5.00a	--	--
	Ben Lomond Trail	12/26	9	2.6	3.7	5.6b	12/26		--	5.82	12.95b	45
	Causey Dam			--	--	--	12/26		--	3.25	6.62b	49
	Dry Bread Pond	12/26	10	3.4	3.9	6.9b	12/26		--	5.40a	--	--
	Sagebrush Flat	12/26	0	0.0	1.8	--	12/26		--	3.07	--	--
WEBER RIVER												
	Beaver Creek R.S.	12/30	6	1.0	1.4	3.6			--	--	--	--
	Chalk Creek #1	12/30	25	6.2	7.1	9.3b			--	--	--	--
	Chalk Creek #2	12/30	19	4.6	5.9	6.6b	12/30		--	--	--	--
	Chalk Creek #3	12/30	7	1.6	2.7	3.6	12/30		--	5.97	--	--
	Farmington Canyon (lower)	12/26	15	4.0	6.1	9.3b	12/26		--	6.13	13.14	47
	Farmington Canyon (upper)	12/26	19	5.4	6.6	12.9b			--	--	--	--
	Farmington G. S.			--	--	--	12/26		--	7.01	13.12b	53
	Horse Ridge	12/26	14	3.8	4.7	7.9b	12/26	.56	--	3.90	--	--
	Killfoil Creek	12/26	14	3.1	3.4	--			--	--	--	--
	Lost Creek Reservoir	12/26	0	0.0	0.0	--	12/26		--	7.53	--	--
	Parley's Canyon Summit	12/30	15	3.4	4.7	7.9	12/30	--	--	6.67	10.49	63
	Redden Mine (lower)	12/30	14	3.2	3.9	--	12/30		--	6.35	--	--
	Smith & Morehouse	12/30	11	2.0	3.5	5.2	12/30		--	7.15	8.35	86
	Park City Summit	1/7	24	5.5a	5.0	--			--	--	--	--
PROVO RIVER & UTAH LAKE												
	Beaver Creek Divide	12/30	11	2.0	2.6	6.2b			--	--	--	--
	Camp Altamont	12/26	18	5.2	2.0	6.5			--	--	--	--
	Clear Creek Ridge #1	12/29	13	2.4	6.4	7.2b			--	--	--	--
	Clear Creek Ridge #2	12/29	15	3.4	5.6	5.8b	12/29	--	--	5.35	--	--
	Clear Creek Ridge #3	12/29	8	1.5	2.4	--			--	--	--	--
	Dutchman R.S.	12/27	17	4.8	3.3	--			--	--	--	--
	Hobble Creek Summit	12/29	14	2.3	3.1	--	12/29	--	--	5.59	--	--
	Payson R.S.	12/28	13	2.8	6.9	8.0	12/28	--	--	6.34	8.74	72
	Soapstone R.S.	12/30	8	1.6	2.3	5.3	12/30	--	--	5.03	7.77	65
	South Fork R.S.	12/26	5	2.2	1.4	2.6			--	--	--	--
	Timpanogos Cave Camp	12/26	0	0.0	0.0	1.2			--	--	--	--
	Timpanogos Divide	12/26	26	7.7	3.0	10.8	12/26	4.40	5.23	9.70	12.46	77
	Trial Lake	12/30	26	5.8	7.0	10.3	12/30	--	--	7.72	11.49	67

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Desert Peak								--		--	
Lamb's Canyon #2	12/30	16	2.6	3.9	--	12/30		--	4.95	--	--
Middle Canyon	12/30	13	3.2	4.2	6.1b	12/30	--	--	7.10	--	--
Mill Creek	12/30	14	3.3	5.1	--			--		--	
Mill D South Fork	12/31	9	3.2	4.3	8.2			--		--	
Mt. Dell Dam				--				--		--	
Rocky Basin-Settlement Canyon				--				4.98		12.67	
Silver Lake (Brighton)	12/31	16	4.5	6.4	10.3			--		--	
Snow Bird (Gad Valley)				5.8	--			--		--	
Vernon Creek	12/30	4	1.5	3.3	4.7b	12/30	--	--	2.80	--	--
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)								--		--	
Black's Fork G.S.-East Fork	12/30	6	1.1	3.4	--	12/30	--	--	4.56	--	--
Black's Fork Junction	12/30	7	1.4	4.3	--	12/30	--	--	4.75	--	--
Buck Pasture (A)				--				--		--	
Burnt Creek				4.1	2.1b			--		4.49b	
Dutch John Junction				4.3	--			--		--	
Grizzly Ridge				5.3	--			--		6.31b	
Henry's Fork (A)								--		--	
Hewinta G.S.	12/30	8	1.4	3.9	--	12/30	--	--	4.81	--	--
Hickerson Park	12/31	10	2.8	--	--	12/31	--	--	4.25	--	--
King's Cabin (upper)	12/31	10	2.1	5.2	5.0b			--		--	
Reynolds Park (A)				--	--			--		--	
Spirit Lake	12/31	19	4.8	6.0	--	12/31	--	--	6.56	--	--
Steel Creek Park	12/30	25	5.6	6.6	--			--		--	
Trout Creek	12/31	12	2.6	4.6	--	12/31		--	3.35	--	
DUCHESNE RIVER											
Atwood Lake (A)				--				--		--	
Brown Duck Ridge	12/31	27	6.0	5.0	7.5b	12/31	--	--	6.20	--	--
Chepeta-Whiterocks (A)				--				--		--	
Currant Creek	12/29	1	0.1	2.3	4.0b	12/29	--	--	3.72	--	--
Daniels-Strawberry Summit	12/29	9	2.0	2.9	5.6	12/29	--	--	5.33	8.44	63
East Portal	12/30	8	3.0	3.0	4.5	12/30	1.45	--	5.01	7.80	64
Five Points Lake (A)				--				--		--	
Indian Canyon	12/29	10	2.1	2.6	5.2	12/29	--	--	4.08	6.28	65
Jackson Park	12/31	19	4.0	3.4	--	12/31	--	--	3.12	--	--
Lakefork Basin (A)				--				--		--	
Lakefork Mountain	12/31	11	2.0	2.0	5.8b			--		--	
Lakefork Mountain #3	12/31	7	1.1	1.5	--			--		--	
Lightning Lake (A)				--				--		--	
Mosby Mountain	12/31	11	2.1	1.8	4.2	12/31	--	--	4.46	6.59b	68
Paradise Park	12/31	18	4.4	3.6	5.4	12/31	--	--	5.95	8.26	72
Rock Creek	12/31	4	.6	1.0	--			--		--	
Strawberry Divide	12/30	15	3.9	4.8	7.8			--		--	
PRICE RIVER											
Dry Valley Divide Alt.	12/29	5	0.9					--		--	
Gooseberry Reservoir						12/28		--	4.44	--	
Jones Ranch								--		--	
Mud Creek	12/28	5	1.0	4.1	5.7	12/28	--	--	3.04	--	--
White River #1	12/29	10	2.0	3.3	5.4b	12/29	--	--	4.48	6.50	69
White River #2								--		--	
White River #3	12/29	2	0.4	3.0	--			--		--	
SAN RAFAEL RIVER											
Buck Flat	12/28	8	1.2	5.4	6.1b	12/28		--	4.22	6.30	67
Huntington-Horseshoe	12/28	13	3.8	8.1	--			--		--	
Orange Olsen	12/28	0	0.0	2.6	--	12/28	--	--	1.80	--	--
Red Pine Ridge	12/28	4	0.9	5.0	5.6b	12/28	--	--	4.45	--	--
Rush Pond								--		--	
Seeley Creek P.S.	12/28	9	2.0	4.5	6.2b	12/28		--	3.23a	--	
Stuart R.S.	12/28	0	0.0	3.0	--	12/28	--	--	2.35	--	--
Upper Joe's Valley	12/28	3	0.4	2.9	--			--		--	
Wrigley Creek	12/28	5	0.5	2.8	--			--		--	

SNOW

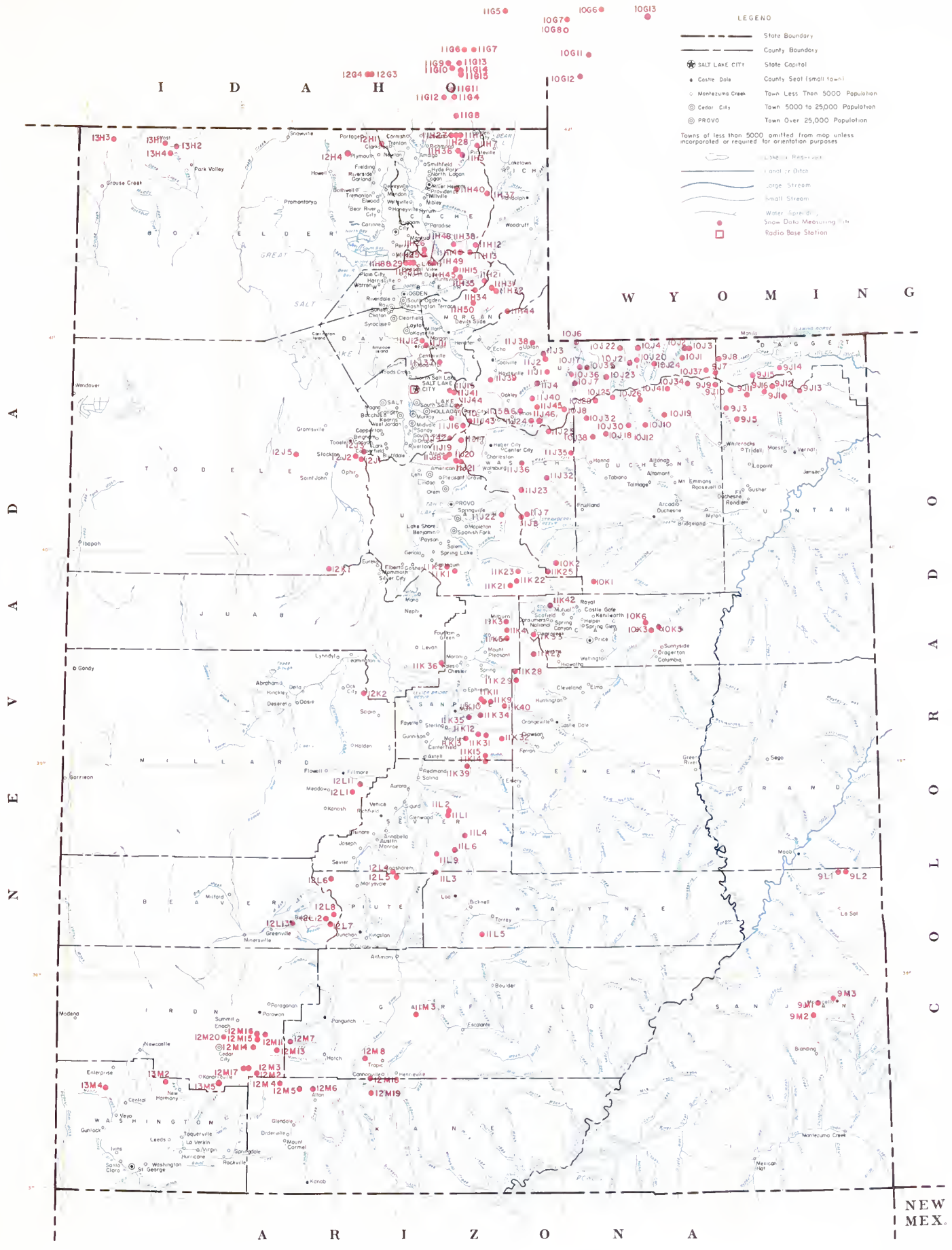
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME											
MUDDY RIVER											
Black's Fork	12/28	7	1.1	3.9	--						
Dill's Camp	12/28	3	0.4	3.6	4.6b	12/28	--	--	3.97	--	--
FREMONT RIVER											
Black's Flat-U.M. Creek	12/27	7	0.8	4.3	--	12/27	.19	--	2.94	--	--
Fish Lake	12/27	6	1.4	2.0	--	12/27		--		5.02b	
Johnson Valley	12/27	3	0.8	2.8	--			--		--	
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	12/27	11	1.8	4.0	4.6b	12/27	.20	--	4.45	--	--
Bryce Canyon	12/30	0	0.0	1.2	2.1			--		--	
Castle Valley	12/26	10	1.4	4.3	5.6b	12/26	.97	--	4.54	--	--
Duck Creek R.S.	12/26	6	1.2	1.7	5.2	12/26	--	--	4.35	8.03	54
Farview	12/30	3	0.6	1.9	--			--		--	
Harris Falt	12/26	0	0.0	1.2	3.0			--		--	
Kimberly Mine	12/27	14	2.9	4.7	6.2	12/27	--	--	6.21	8.07	77
Midway Valley	12/26	15	2.7	4.5	8.5			--		--	
Panguitch Lake	12/26	0	0.0	1.8	--	12/26	--	--	2.63	--	--
Rainbow Point	12/30	0	0.0	1.8	--			--		--	
Squaw Springs	12/27	4	1.0	3.5	--			--		--	
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dam	12/28	8	1.8	4.4	4.2b	12/27	--	--	5.27	5.84b	90
Farnsworth Lake	12/27	20	4.7	9.4	8.0	12/27	--	--	6.83	8.55	80
G.B.R.C. Headquarters	12/28	19	4.2	6.1	6.8			--		8.54	
G.B.R.C. Majors										4.23b	
G.B.R.C. Meadows	12/28	20	4.7	8.8	9.0b	12/28		--	7.46	10.14	74
G.B.R.C. Oaks										5.80	
Gooseberry R.S.	12/27	11	1.5	6.2	5.3	12/27	--	--	5.69	--	--
Mammoth-Cottonwood Creek	12/28	13	2.5	5.9	7.9			--		--	
Mt. Baldy R.S.	12/28	22	5.0	7.6	9.2	12/28	--	--	5.29	7.97b	66
Oak Creek					--			--		--	
Pickle Keg Springs	12/28	12	2.4	7.0	6.4b	12/28		--	6.40a	--	
Pine Creek	12/27	11	2.8	7.2	--	12/27	--	--	7.83	--	
Ree's Flat	12/28	13	3.1	5.0	--	12/28		--	4.39	--	
Shingle Mill				--	4.5b			--		8.15b	
BEAVER RIVER											
Beaver Race Track	12/27	0	0.0	--	--			--		--	
Beaver Canyon Power House				--	--			1.73		3.39	
Big Flat	12/27	19	4.3	4.5	5.9b	12/27		--	5.08	--	
Merchant's Valley (upper)	12/27	13	2.3	7.0	--	12/27	--	--	4.45	--	
Otter Lake	12/27	10	1.8	8.2	--			--		--	
PAROWAN CREEK											
Birch Crossing	1/5	0	0.0	4.4	3.2b			--		--	
Brian Head	12/26	18	4.2	6.5	8.8b			--		--	
Tall Poles	1/5	14	2.5	6.8	6.0b			--	5.55	7.28b	76
Yankee Reservoir	12/26	6	1.3	4.7	--	12/26	--	--	2.76	--	--
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	12/26	0	0.0	0.2	--						
Long Flat	12/26	0	0.0	1.8	2.1b	12/26	.68	--		--	
COAL CREEK											
Cedar City Golf Course	1/5	0	0.0	--	--			--		--	
SUSC Ranch	1/5	0	0.0	1.0	3.4b			--		--	
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	12/29	8	2.6	6.3	--	12/29	--	--	5.80	--	--
Camp Jackson	12/29	7	1.9	6.2	--	12/29	--	--	2.90	--	--
LaSal Mountain (lower)	12/30	13	3.4	4.8	3.6b			--		--	

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
				Last Year	Average +						
LaSal Mountain (upper) Monticello City Park	12/30	26	6.5	5.6 2.2	5.5b --			--		--	
<u>ESCALANTE RIVER</u>											
Widdsoe-Escalante #3	12/27	14	2.4	4.9	4.5	12/27	--	--	4.47	6.01	74
<u>VIRGIN RIVER</u>											
Kolob-Crystal	12/26	9	1.6	5.3	8.9b			--		--	
Long Valley Junction	12/26	0	0.0	1.0	1.5			--		--	
Webster Flat	12/26	10	2.2	4.4	6.6	12/26	--	--	5.34	8.14	66
a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 15 year average period (A) - Aerial Marker Reading											

USDA-SCS-PORTLAND, OR 1980 M7-01-22027



SNOW COURSES AND RELATED
DATA MEASURING SITES
UTAH
1981

SCALE 1:150,000
ALBERS EQUAL AREA PROJECTION

USGS National Atlas 1:1,000,000 Albers
Equal-Area projection (1967) used as source
for base map and adopted for SCS use.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of Interior
Water and Power Resources Service
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4420
125 SOUTH ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*